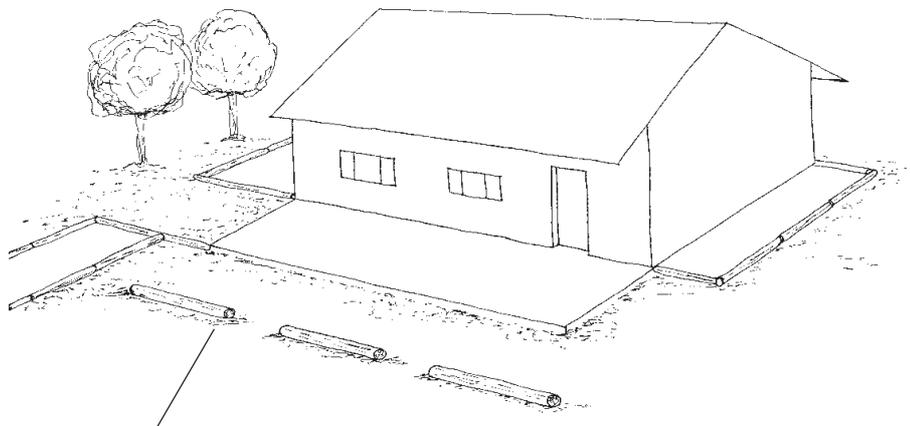


# Controlling Cars and Trucks - 1

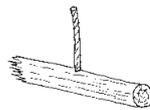
Communities and Homelands usually have an open plan design and consist of a mosaic of houses and buildings, roads and open spaces. Cars and trucks are free to drive anywhere until these spaces become better defined. People need car and truck free areas to move around in and this fact sheet provides some ideas which help create these spaces.

M.W.Last  
July 95

## 1. Car Parks



Drill a 13 mm hole through the pine log 500 mm from each end and hammer a 500 mm length of 13 mm re-inforcing rod through each hole and into the ground to hold the log in place.

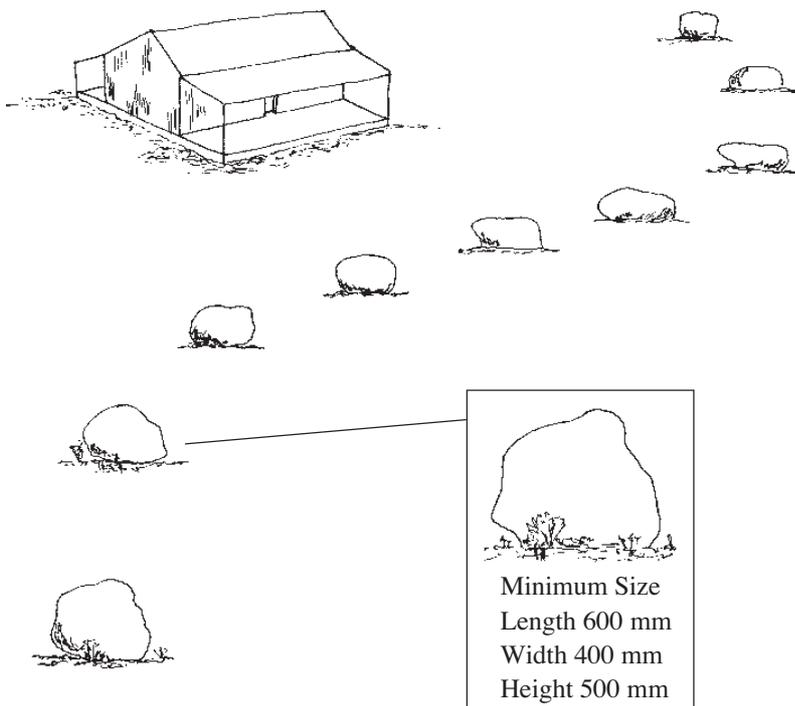


Car Parks are essential around community buildings eg. office blocks. If there are no defined car parking areas, then cars, trucks and people all use the same space which is dangerous. Car parking areas need to be separate from people areas.

Allow a two metre wide walkway along the front of buildings. Establish the car park a further two metres out from the edge of the walkway.

Pine logs (150 mm small end diameter) can be nailed to the ground at this two metre position. Allow a one metre space between each log. When the car tyres rest against the logs, there is still enough space for people to stand between them and the building.

## 2. Large Rocks and Boulders



Minimum Size  
Length 600 mm  
Width 400 mm  
Height 500 mm

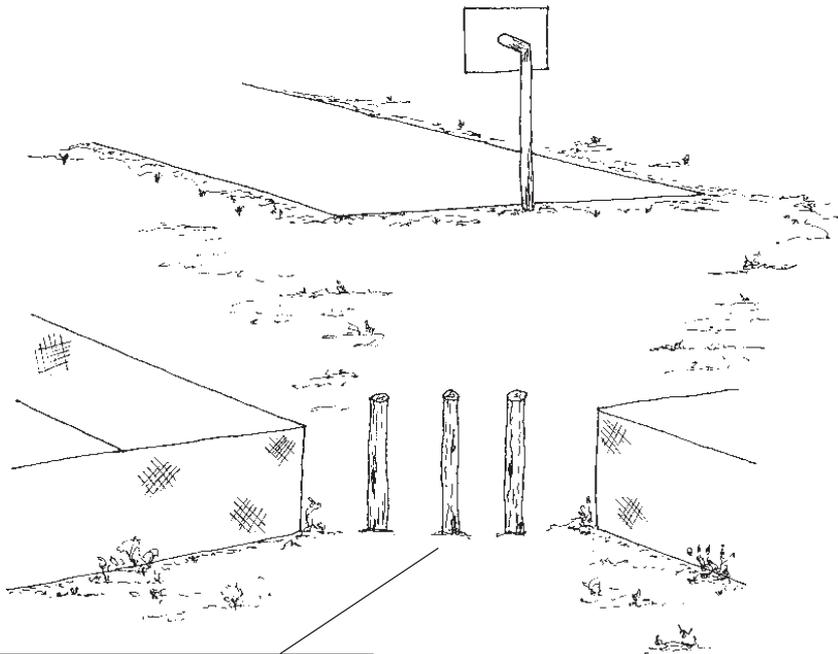
When larger car and truck free areas are required around buildings, large rocks and boulders can be used to define these areas.

The boulders provide an effective barrier as well as adding to the landscape. Many Communities and Homelands have access to a local supply of them.

Rocks and boulders provide an effective barrier when placed 1.5 metres apart. This spacing encourages drivers of cars and trucks to remain in their designated areas.

Experience has shown that the minimum size of each rock or boulder is 600 mm long, 400 mm wide and 500 mm high. Partly submerge the boulder into the soil surface if it shows signs of being unstable. A front end loader is very useful for collecting and installing rocks and boulders.

### 3. Making Walkways



Post Dimensions  
Diameter: 75 mm to 100 mm  
Length above Ground: 1.2 metres  
Depth in Ground: 600 mm

Many houses and buildings in Communities and Homelands are fenced, however there are often spaces between these fenced yards. People use these spaces to walk through to their homes and venues like basketball courts. If these spaces are wider than 1.5 metres, then cars and trucks can also drive through which can be dangerous to the people walking in these areas.

If the space is say 4 to 6 metres, then an easy solution to stop cars and trucks from driving through these spaces, is to install some pine or pipe posts.

Dig the holes 600 mm deep and a metre apart and use posts that are 75 mm to 100 mm in diameter with 1.2 metres of post above the ground. The space between the posts is sufficiently wide enough for people to walk through. The area becomes free of cars and trucks and will be safe for people.

### 4. Cars and Trucks around Buildings

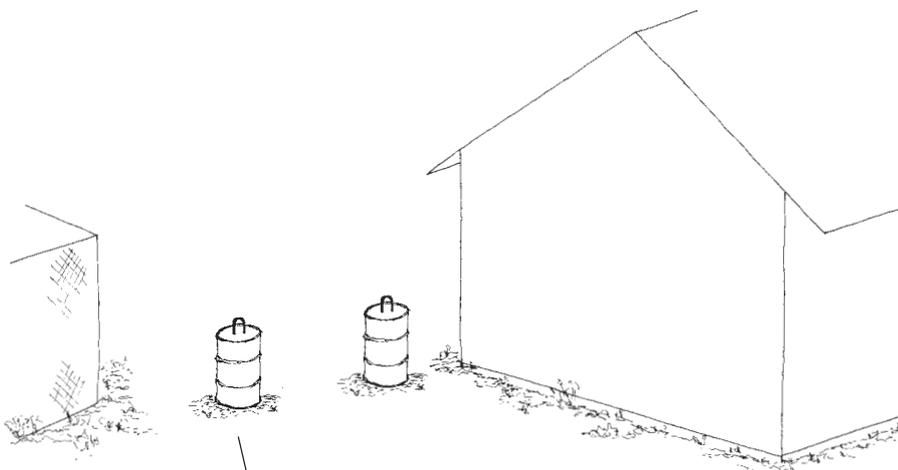
There are some buildings that may not be fenced, eg. garages, small training centres etc.

In these situations, cars and trucks are able to drive around corners creating a pedestrian hazard. The problem can be quickly solved using 200 litre petrol or oil drums.

Cut the top out of the drum and take a piece of 16 mm windmill rod and bend it into a "U" shape making it long enough to sit on the bottom of the drum and protrude about 200 mm above the top of the drum.

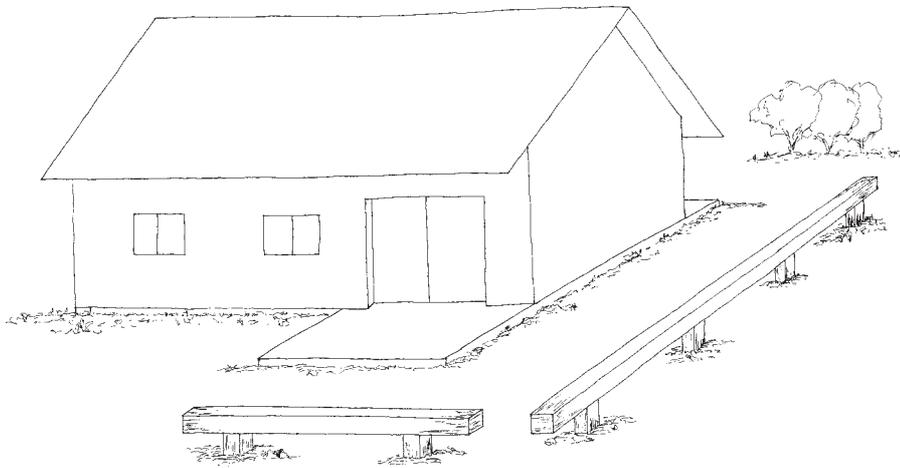
Hold the piece of rod upright in the drum, while filling it with gravel or stones. Put about 200 mm of concrete in the top of the drum allowing it to dry for a week. Hook the drum onto the bucket of a front end loader and shift it to the place where cars and trucks need to be controlled.

Place the drums about 1.5 metres apart so cars and trucks cannot drive between them. A piece of 50 mm pipe can be slipped into the loops above the drums on some occasions. When fences are finally built the drums can be shifted to another location and used again.



Drum Dimensions  
Diameter 570 mm  
Height 900 mm

## 5. Cars and Trucks around Store Buildings



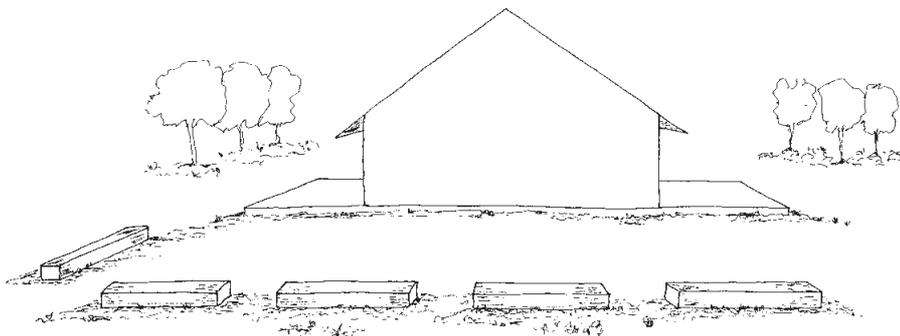
The pedestrian areas around store buildings are a hive of activity at store opening times and need to be separated from the car and truck areas. People need space to sit and talk and fulfil customary obligations without the intrusion caused by cars and trucks.

In the sketch, square steel tubing (RHS) is used to make a low rail to separate the people and the car and truck areas.

The steel rail provides a seat for people to sit on as well as a car and truck barrier. The rails are easy to see and are in less danger of being driven over by cars and trucks.

A good size of steel tube (RHS) to use is 150 mm square. The legs needs to be 1.1 metres long with 500 mm above the ground and about 600 mm in the ground. Leave a space of one metre between the ends of each rail so people can walk between them from the store to the car park.

## 6. Cars and Trucks around Other Buildings



This diagram demonstrates the use of concrete beams as car barriers. They are 300 mm wide by 300 mm high and are 2 metres long. They can be made any length to suit the need.

The beams are easy to make and lay flat on the ground surface. Place them one metre apart around the pedestrian areas. Like the steel rails, they make good seats for people to sit on.

A mould is easily made from a piece of form board 19 mm thick. When the concrete is poured into the mould, it is essential to include four lengths of re-inforcing rod the length of the mould. A loop of metal can be included to protrude outside the beam. A chain can be attached to the loop making it easier to shift the beam with a front end loader.

The ideas in this fact sheet have been used effectively in different Communities and Homelands. Hopefully this information will provide a stimulus to those in search of solutions for controlling cars and trucks.