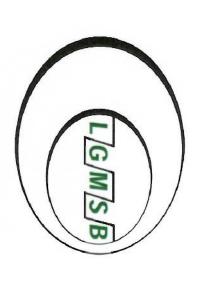
# of Streetscapes -Good Practice Guidelines on Accessibility



March 2009

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### 1. 0 Introduction

disabilities environment for people with way to improve the accessibility include the Act. goals outlined in the Disability actions in its Sectoral Plan on Local Government oca on all public bodies, including significant new responsibilities progress is made in a planned implementation plans by each multi-annual Disability to realise the policy Environment, Heritage Department local authority to ensure that The Disability Act 2005 places the built These authorities development of and commitments 으 accessibility set externa out and The the

In this context, the Local Government Management Services Board Steering Group on the implementation of the Disability Act has developed

good approach across all local authority standard to ensure administrative areas assessments from an guidelines aim to ensure that all streetscapes within their remit. The authority staff in auditing guidelines is guidelines. The purpose of the accessibility local authorities are making such National Disability Authority were reviewing the accessibility of the key contributors in finalising the Kildare County Council and the practice to support local 으 guidelines streetscapes a coherent agreed and 9

It is important to note that the good practice guidelines contained in this document do not replace the Traffic Management Guidelines which set out national guidance to be followed. In seeking to be a practical tool for local authorities, the guidelines seek to complement the Traffic Management Guidelines

and should be used in conjunction with them.

and specialist advice and to additional features of an environment. In such employed which reflect the unique materials or options available cases, designers should refer to alternatives challenges in certain environments planners It is understood that designers and in meeting their accessibility goals should support local authority staff measures The guidelines set out accessibility legislation and that in line with current in some cases, **≦**. <u>≨</u> standards, and have face to be design

These guidelines originated from a pilot project, originally facilitated by the Equality Authority. They have been developed through a consultation process and owe much to the leadership and commitment of staff in Kildare

County Council who invested significant time and energy to see this project to completion. Thanks are also due to the network of local access groups in Kildare, including Kildare Network of People with Disabilities, the Irish Wheelchair Association and the National Council for the Blind in Ireland.

## 2.0 Policy on the Use of Tactile Paving

assigned to them. different tactile paving surfaces visually impaired people the presence of an amenity. warning, directional guidance, or remember a limited number of reliably detect, distinguish Research has determined that environment, for example, hazard pedestrians information to visually impaired Tactile the paving surfaces ರ distinct convey important about meanings can be and can their

guidance and information. types of tactile surface to give uncontrolled pedestrian crossings for amenity purposes the use of a number of additional document, guidance is given on is now well established. warning device at controlled and The use of blister paving warning of potential hazards and ਰ In this as give

should be exclusively reserved for Each type of tactile paving surface

> the presence of such facilities in different meanings assigned to the pedestrians successful use of tactile paving and more widely, and their area also depends on visually impaired information is not conveyed. The conflicting guidelines. installed in accordance with these paving and being made aware of therefore, very important that mobile, both within their local area people are becoming increasingly its intended use and consistently understanding and Visually impaired confusing

guidance or information about can surfaces which provide directional people are consulted before the disseminated. recommended Local authorities are advised installation representing investigate how this information most 으 that local groups visually impaired effectively tactile It is strongly paving ರ

> indicate what will help them most. amenities SO that they may

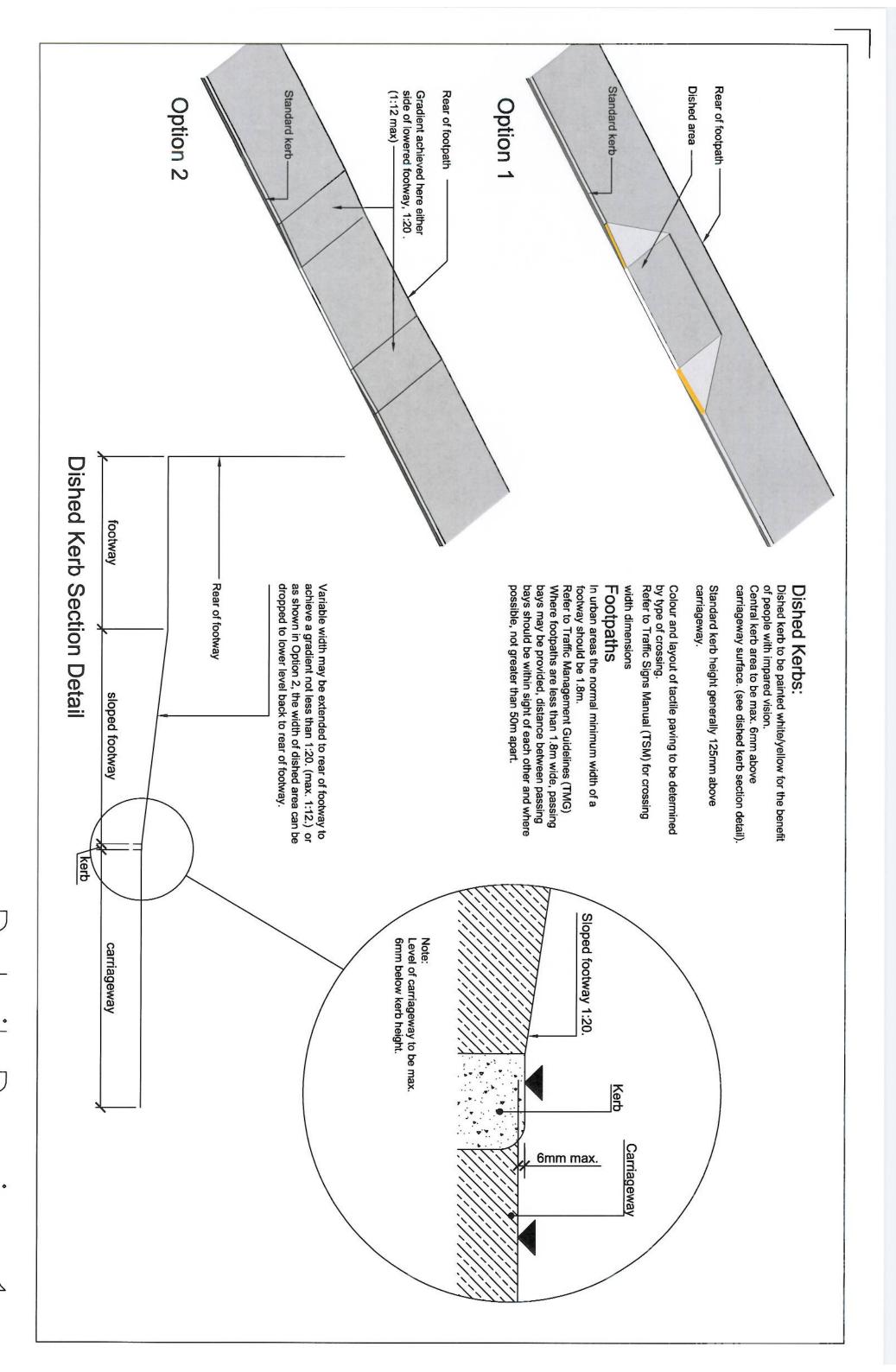
part furniture repositioned. inappropriately obstacles pavements hazards, for footway should be examined and condition environment. assessment of the surrounding process surfaces should be considered as impaired people. The installation measures The installation of tactile paving 으 മ should 으 ð wider package example, In particular, the removed the surrounding assist visually sited involve particularly uneven street and



inspected to ensure that the standards of reinstatement of any new roads and street works performance requirements of all Street works should be carefully surface meet

way in which visually impaired such that the guidance contained contact the NCBI www.ncbi.ie For further information about the consultation with the NCBI, Irish should be Where local site conditions are The Irish Guide Dogs for the Blind people move around for Transport before proceeding. Guide Dogs and the Department implemented, in this document cannot be sought through further advice

use of Tactile Paving surfaces See Detail drawing no's 5 - 10. Transport (1999) Guidance on the References: UK Department for



## Blister Tactile Paving:

points: both controlled and uncontrolled crossing installed in the absence of an upstand at The blister tactile surface should be

flush with the carraigeway or; where the footway has been dropped

to the level of the footway. where the carraigeway has been raised

controlled: Zebras, Toucans and Traffic crossing types are described as be used at controlled crossings only. phases. The RED blister surface should signalised junctions with pedestrian establish priority over vehicular traffic. For the purposes of this advice the following crossings the pedestrian is able to Controlled Crossings: At controlled

with the surounding footway surface. phases (traffic lights), including those crossings), crossings away from junctions, uncontrolled crossings: side road (other than red) which provides a contrast surfaces should be BUFF or any colour crossing place are provided. The blister where studs indicating a pedestriasn kerb to kerb flat top road humps, signal controlled junctions without pedestrian crossings, busy crossovers (vehicle the following locations are described as to cross. For the purposes of this advice make a decision about whether it is safe priority over vehicular traffic and must crossings the pedestrian does not have Uncontrolled Crossings: At uncontrolled

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67mm

achieved by painting or marking the kerb Partially sighted people will be assisted by edge white/yellow. strong colour contrast this can be

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also currently available Alternative sizes are

400mm

Ref: 'Guidance on the Use of Tactile Paving' Dept. of Transport, Scotland.

surface indicators - Specification (2003). BS. 7997: Products for tactile paving

> **Blister Tactile** 20mm dia

6mm R16mm

travel.

to blister surface at controlled crossings. should NOT be RED, as red is restricted

'Guidance on the Use of Tactile Paving' Dept. of Transport, Scotland.

paving surface indicators -Specification (2003). BS. 7997 Products for tactile

50mm

Section

## Corduroy Tactile Paving:

hazard and advised to proceed with pedestrian crossings) where visually Can be used for any situation (except for impaired people need to be warned of a

where a footway joins a shared route, i.e. the presence of steps and is also used Used to warn visually impaired people of

Comprises of rounded bars running transversely across the direction of

Corduroy Tactile

6mm

Should be provided in a contrasting colour to the surrounding area but it

Section 400mm 50mm

400mm

## Policy on Street Furniture

3.0

- 3.1 Careful positioning of street furniture provides easier access and reduces potential hazards, particularly for people with visual impairments.
- 3.2 and visual clues that incorporate audible grouping of street furniture, including lighting to define routes and olfactory clues such as fountains use of planned landmarks for orientation as well as textural changes in paving, logical fragrant flowers and effective defined both colour contrast and for pedestrians. routes should be Consider 3.4

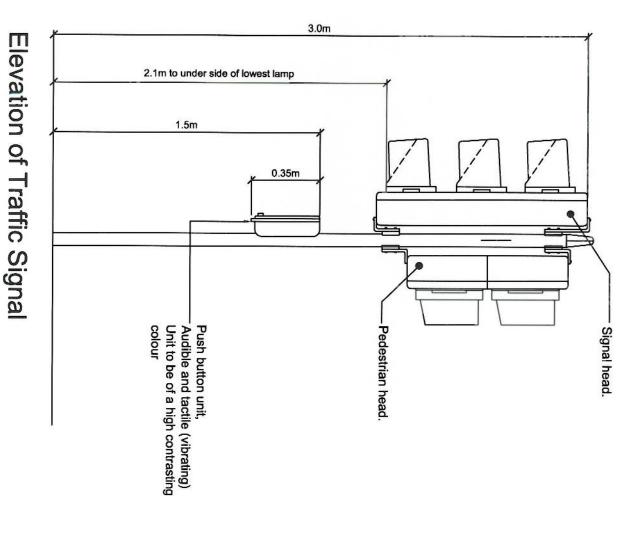
3.3

- obstructs the passage of wheelchair changes on level. Seats should be furniture where it causes problems although a perch 500-750mm will be to sit with other people. A seat should square of firm paving beside a seat movement so that they do not block placed 600mm back from the line of after a long sequence of paths and Avoid where possible placing street will allow a person using a wheelchai as firm and stable. A 800 x 1300mm flush with surrounding levels, as wel enjoy a good and clear view, and sheltered places where people can for people with visual impairments or Seating should be located in The surface should be than 450mm 3.7 3.5 3.6
  - example using colour contrasting and If items of street furniture have to be useful to lean against, as well as support, and arm rests are also make it easier for people to get off have difficulty getting up. against which they will be seen. located within access routes, they assisting in getting up out of the seat backrests are useful for additional space at least 100mm deep will also easier to use for some people who luminance with the background be 9 clearly perch. identified, Seats A heel with ο̈́
  - The provision of appropriate seating is important, especially on long or sloping routes. Seating should be provided at regular intervals and should be located not more than 50m apart, where possible.
  - giving the same degree of protection. detection, and hanging baskets. Areas below building projections such as signage guarding 2100mm headroom above ground Bollards should level should stairs or ramps where there less than Avoid low headroom and safeguard and or a be protected be a minimum of permanent barrier low level by
- Bollards should be a minimum of 1000mm in height. A wider bollard (250mm in width) incorporating a

- band of contrasting colour or luminance at 1500-1650mm is earier to detect by people with visual impairments. Adjacent bollards should not be linked with a chain or rope. Bollards should be a minimum of 1200mm apart.

  3.8 Freestanding posts or columns which
- Freestanding posts or columns which obstruct the safe movement of pedestrians should incorporate a band of contrasting colour or luminance at 1500-1650mm. An additional band at 850-1000mm might also be considered. Two medium bands of colour a little distance apart would be more visible than one broad band of colour.
- 3.9 Cycle parking areas should be clear of pedestrian routes, and cycle stands should be clearly visible even when not in use.
- 3.10 Hedges and planting, to be maintained regularly to prevent overgrowth onto pedestrian accesses.
- 3.11 Refuse Bins need to be placed out of the way of pedestrian routes on bin collection days.
- 3.12 Sandwich Boards to be prohibited from all pedestrian routes.

Ref: UK Centre for Accessible
Environments (2004, page 50) Designing
for Accessibility, UK Department for
Transport (2002, section 3.7), Inclusive
Mobility and NDA (2002, page 79), Building
for Everyone.



Ref: Road Traffic (signs) Regulations S.I. 181 (1997)-33.

## Traffic Signal Pole Notes:

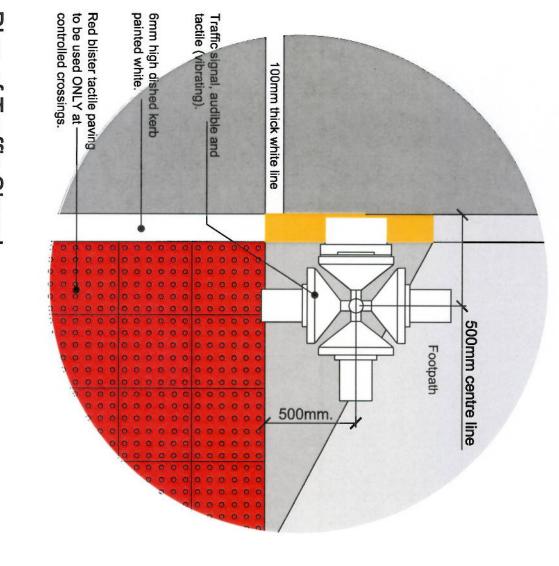
This detail refers to all controlled crossings.

All controlled traffic signals to be Audible, Tactile(Vibrating).

All services and gullies to be kept clear of crossing where possible.

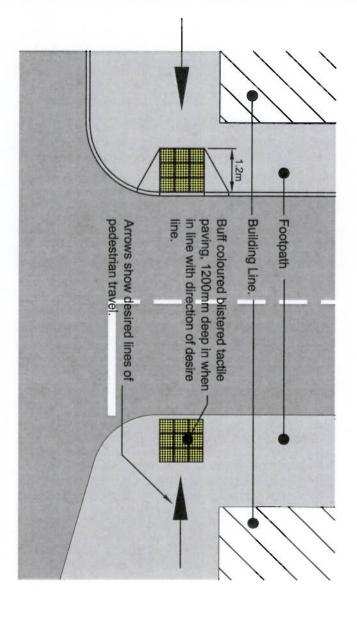
Position of pole to be located max. 500mm from tactile paving edge to centre line of pole, and 500mm from kerb edge to centre line of pole.

Refer to dished kerb detail.

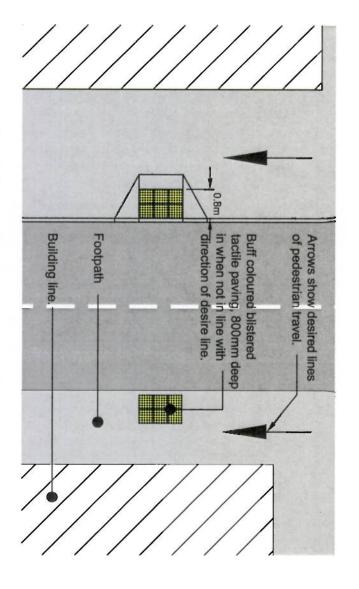


Plan of Traffic Signal

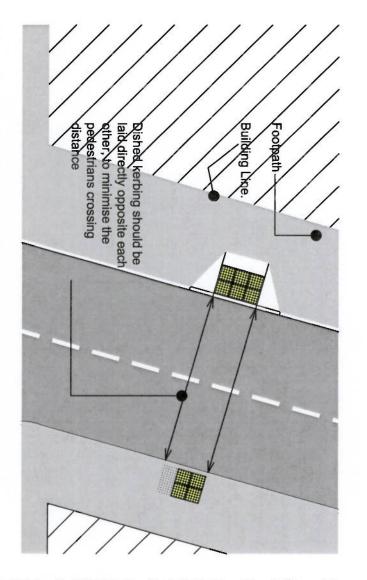
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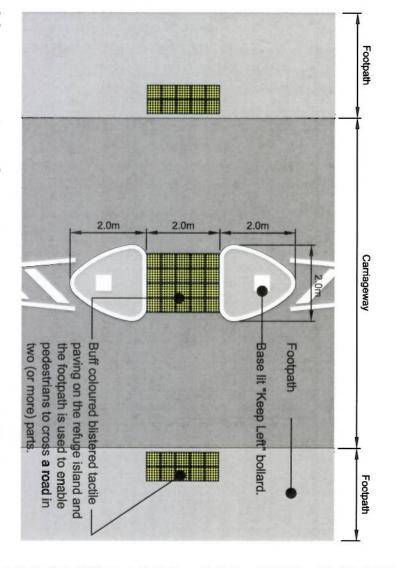
In-line Uncontrolled Crossing.



Uncontrolled Crossing at Side Road



Uncontrolled Crossing at Angled Junction



Uncontrolled Crossing with Island of Refuge

#### General Notes:

All services to be kept clear of crossing where

Refer to Dished kerb detail.

#### **Uncontrolled Crossings:**

not have priority over vehicular traffic. The pedestrian must decide whether it is safe to At an uncontrolled crossing the pedestrian does

## Tactile Paving Colour and Type:

blister tactile paving should be "Buff" or grey. Blister tactile paving must be used when the kerbing is dished, at uncontrolled crossings the

Layout:

Blister tactile paving must be laid talong the full width of any dished kerb. Depth of paving will depend on whether the crossing is in line with Blister tactile paving should be installed to a pedestrian travel, as shown. In-line uncontrolled crossing:

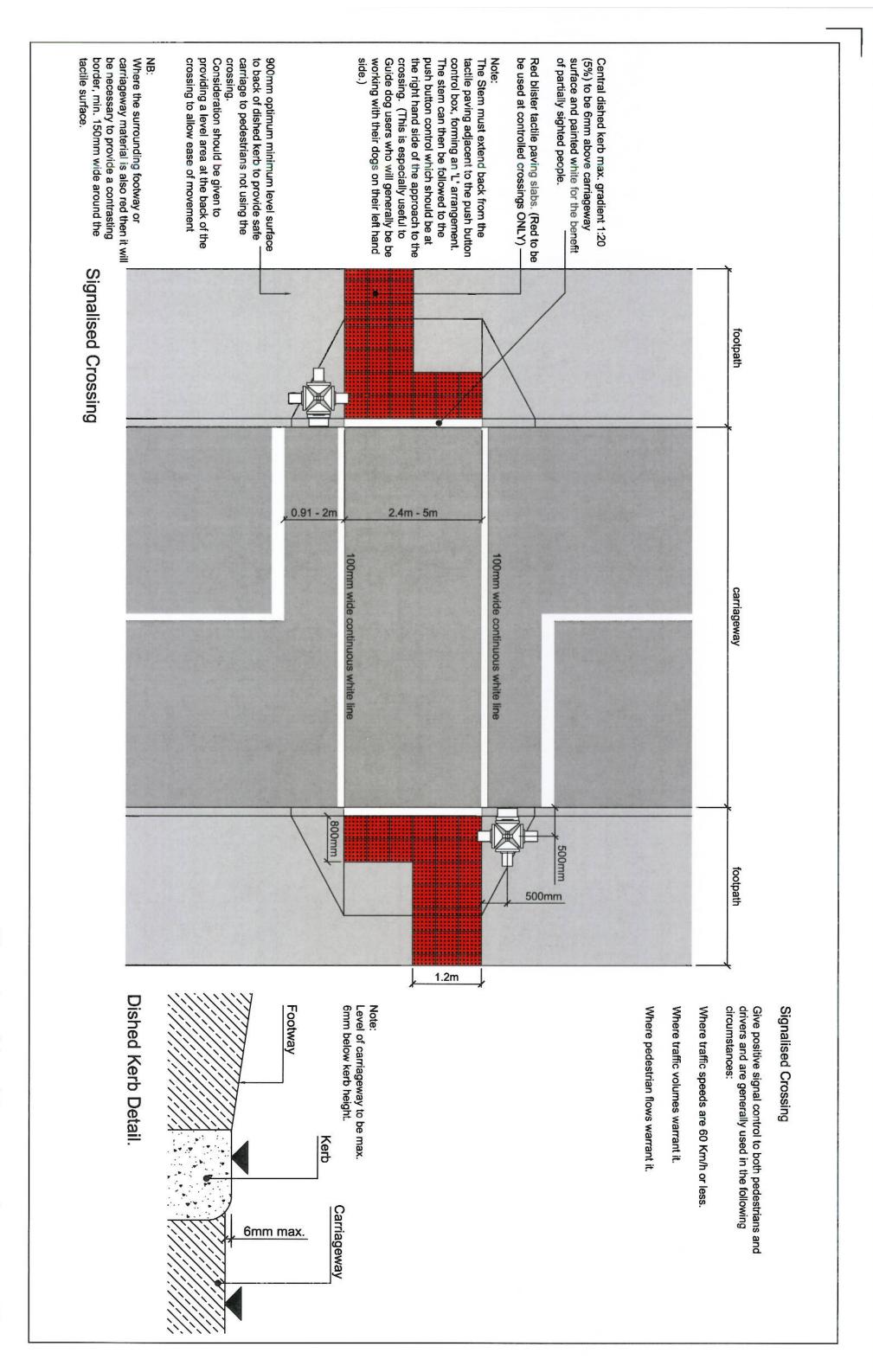
the road edge. visually impaired pedestrian of the presence of depth of 1.2m, to provide sufficient warning to a

depth of 800mm Blister tactile paving should be installed to a Uncontrolled crossing at Angled Junction:

Blister tactile paving should be installed to a Uncontrolled crossing at Side Road: depth of 800mm.

enable pedestrians to continue to cross a road between adjacent strips of tactile paving than 2m wide, then a gap should be left all the way across it. If the island is greater or less then the tactile paving should continue in two (or more) parts. If the island is 2m wide side of the crossing (to a place of refuge) and pedestrian that they have reached the opposite footpath is used to alert a visually impaired Blister tactile paving should be installed to a Uncontrolled crossing with Island of Refuge: depth of 0.8m at each part of the crossing. Tactile paving on the refuge island and the

of an island of refuge where the carriageway is Consideration should be given to the provision (800mm deep).



Carriageway

Path

#### General Notes:

All services to be kept clear of crossing where possible.

Path

Refer to dished kerb details.

Refer to traffic signal details.

50% transparency from all angles High Visibility Pedestrian Guardrails should be used, High Visibility Guardrails must provide a minimum Where Pedestrian Guardrails are required:

## Staggered Signalised Crossing

drivers and are generally used in the following circumstances: Give positive signal control to both pedestrians and

Where the carriageway is wider than 10m.

Where traffic volumes are high.

Where pedestrian volumes are high.

#### General Notes:

All services to be kept clear of crossing where possible.

All guardrails to be painted yellow, top and sides.

Refer to Dished Kerb detail.

Refer to Traffic Signal details.

#### Zebra Crossing

Pedestrians have right of way as they step out on to the crossing, they cause little delay to pedestrians and are generally used in the following circumstances:

Where traffic speeds are low.

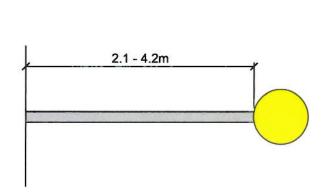
Where traffic volumes are moderate

As part of traffic calming schemes

Where the carriageway width exceeds 7m a refuge island may be provided.

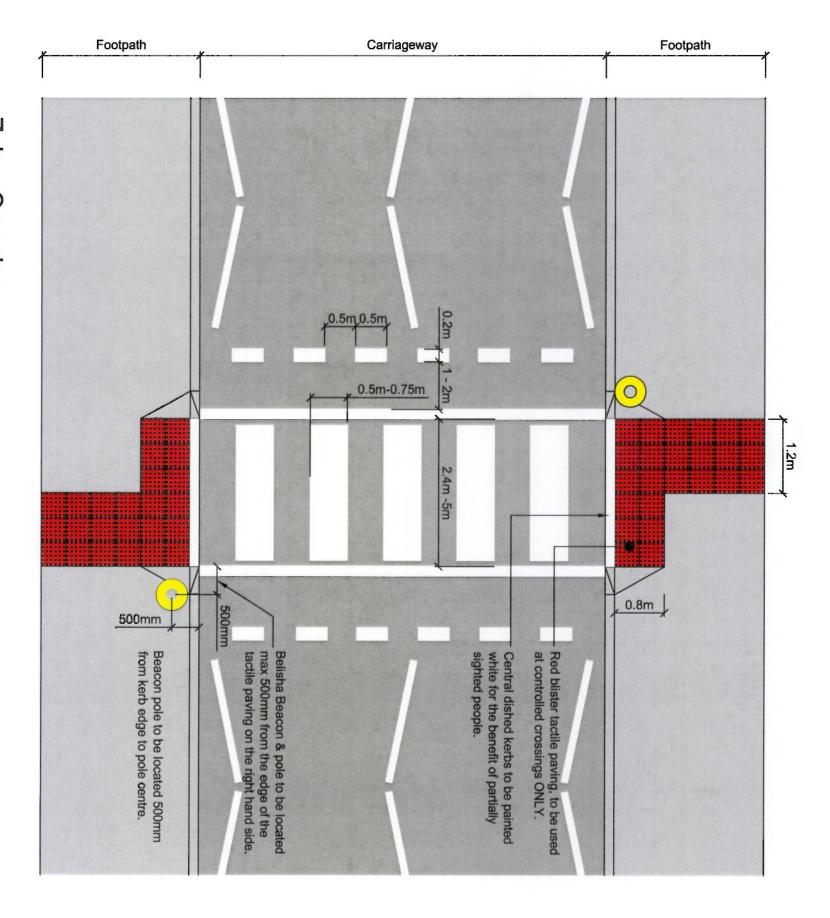
#### Note:

Belisha beacons must be provided at all Zebra crossings.



## Beacon Pole Elevation

of: Traffic Management Guidelines Road Traffic (signs) Regulations S.I. 181 (1997)-38.



Zebra Crossing

## 4.0 References

- Department of the Environment, Heritage and Local Government (2000) Building Regulations —
  Technical Guidance Document: Part M,
  <a href="http://www.environ.ie/en/Publications/DevelopmentandHousing/BuildingStandards/FileDownLoad,1655,en.pdf">http://www.environ.ie/en/Publications/DevelopmentandHousing/BuildingStandards/FileDownLoad,1655,en.pdf</a>
- Department of Transport, Department of the Environment, Heritage and Local Government and the Dublin Transportation Office (2002), Traffic Management Guidelines Manual, <a href="http://www.dto.ie">http://www.dto.ie</a>
- Department of Transport (1996) Traffic Signs Manual
- Government of Ireland (1997), Statutory Instrument 181/1997, Road Traffic (Signs) Regulations, <a href="http://www.irishstatutebook.ie/1997/en/si/0181.html">http://www.irishstatutebook.ie/1997/en/si/0181.html</a>
- National Disability Authority (2002) Building for Everyone, <a href="http://www.nda.ie">http://www.nda.ie</a>
- UK BS 8300: 2001 Design of buildings and their approaches to meet the needs of disabled people, Code of practice, British Standards Institute.
- UK BS 7997: 2003 Products for tactile paving surface indicators, British Standards Institute
- UK Centre for Accessible Environments (2004) Designing for Accessibility
- UK Department for Transport LTN 2/95 (1995), The Design of Pedestrian Crossings
- UK Department for Transport (1999), Guidance on the use of Tactile Paving Surfaces, http://www.dft.gov.uk/transportforyou/access/peti/guidanceontheuseoftactilepav6167
- UK Department for Transport (2002), Inclusive Mobility, http://www.dff.gov.uk/transportforyou/access/peti/inclusivemobility
- UK Office of the Deputy Prime Minister (2005), Planning and Access for Disabled People. A
  Good Practice Guide, <a href="http://www.communities.gov.uk">http://www.communities.gov.uk</a>