Surface: York Stone

Surface: Concrete Flags

Surface: Block Paving

Surface: Bitumen Macadam – Shared Use (See Sign 956)

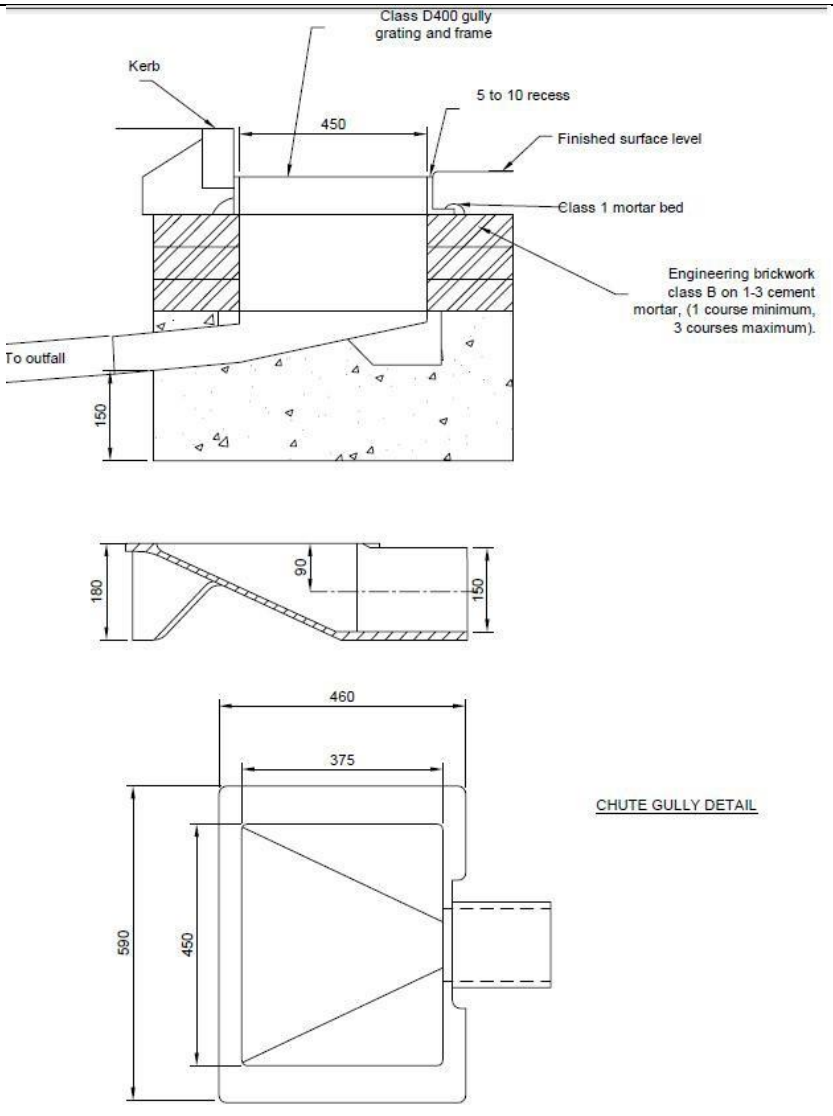
Pedestrian Surface: Concrete Flags on the left and Cycle – **Shared Use 'No'** on the right

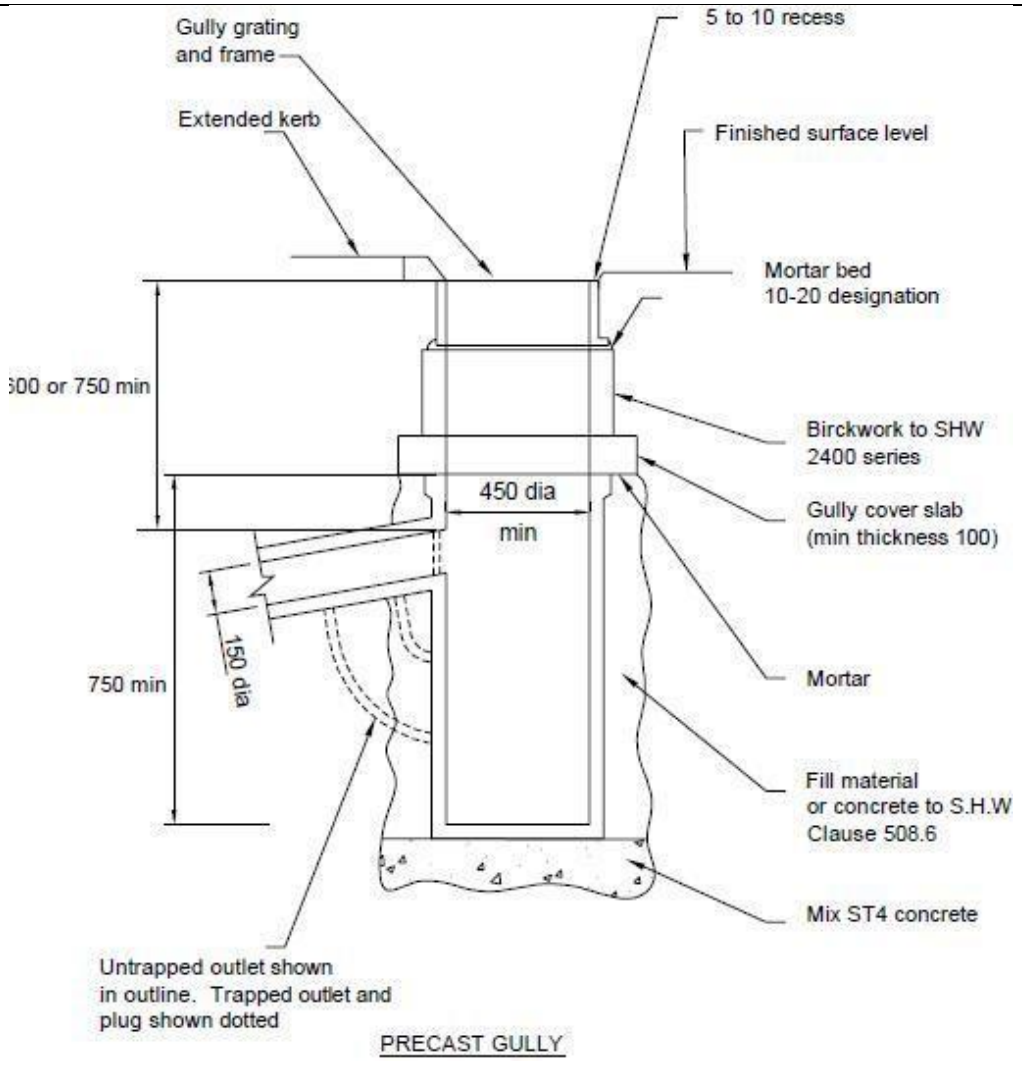
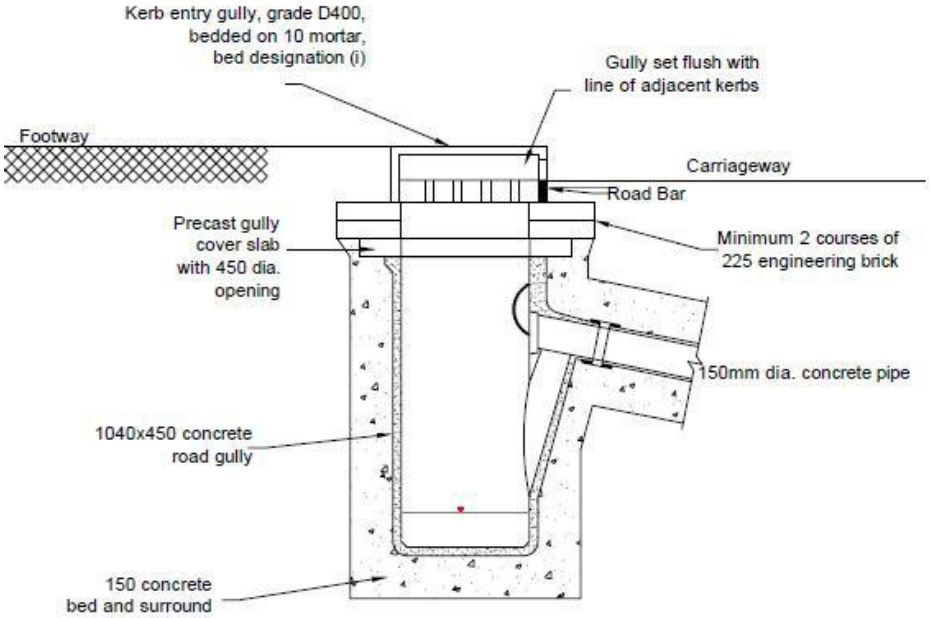
(See Sign 957)

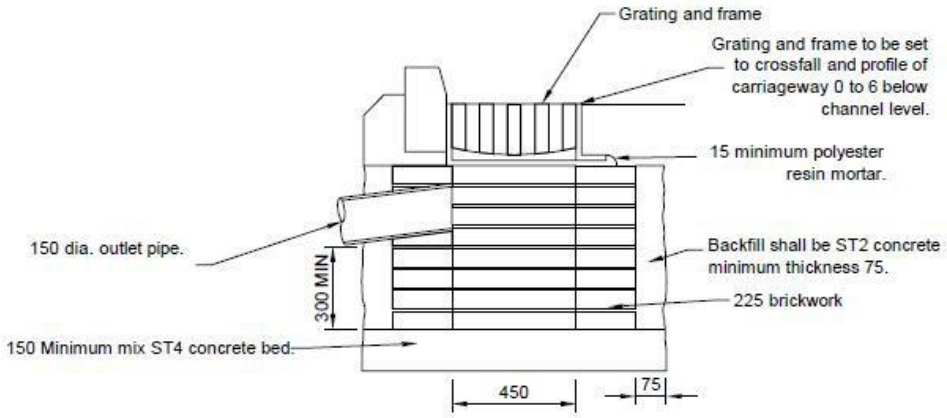
26. GRIP (GP)

Only found in rural areas

27. GULLY (GY)

Attribute & List Value	Example
Cycle Safe	
Chute	

Precast	 PRECAST GULLY
Kerb Inlet	 KERB INLET GULLY DETAIL

Brick	 SECTION A-A TYPICAL BRICK BUILT GULLY
Cover Type: Other	

Cover Type: Pedestrian	
Cover Type: Kerb	

28. HEDGE (HG)

Example along central reservation

Example along back of verge

29. INSPECTION CHAMBER (IB)

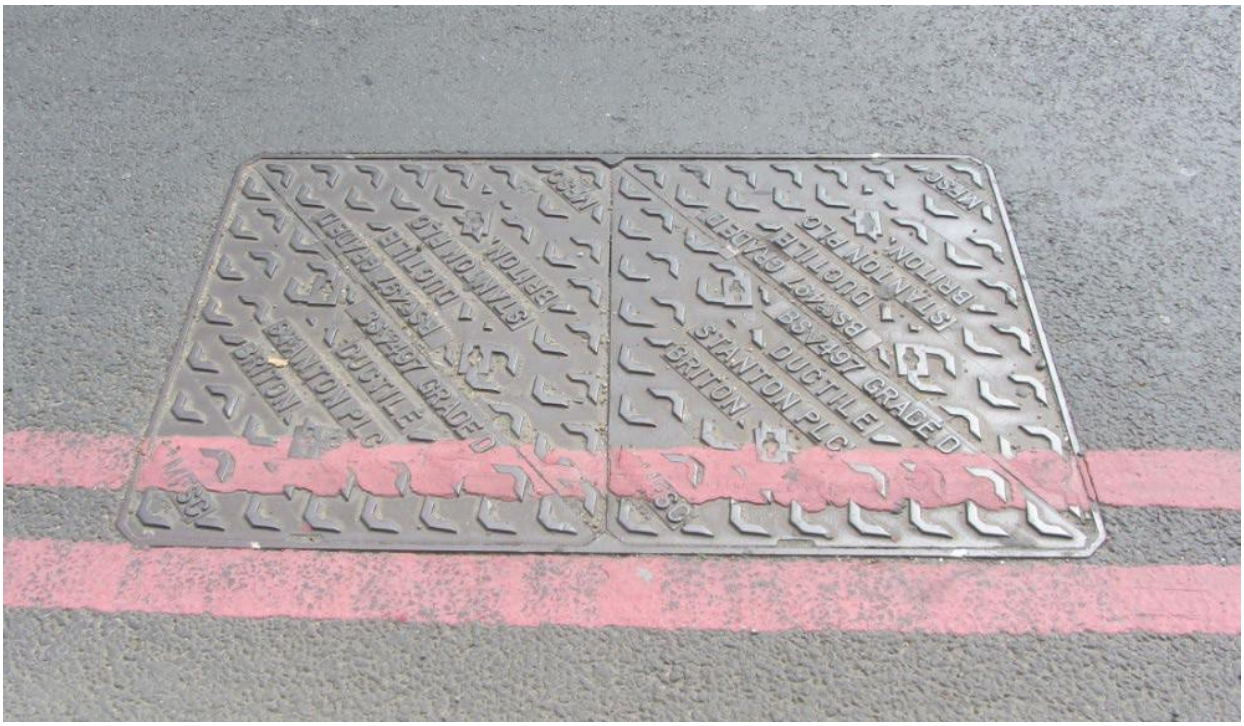
Footway cover with Infill Material

Footway cover - Cover Material: Concrete

Cover Shape: Circular

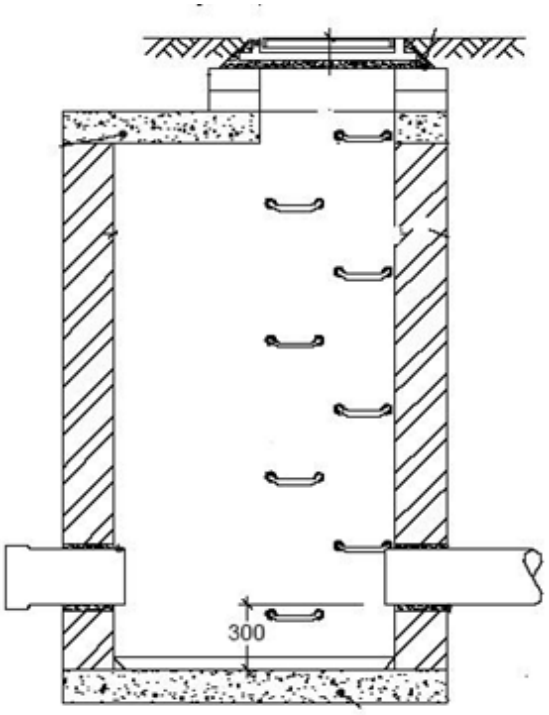
Cover Shape: Triangle

Double Cover (only one asset as chamber is asset); Cover Shape: Rectangle



Type: Catchpit

Cross section of a Catch pit

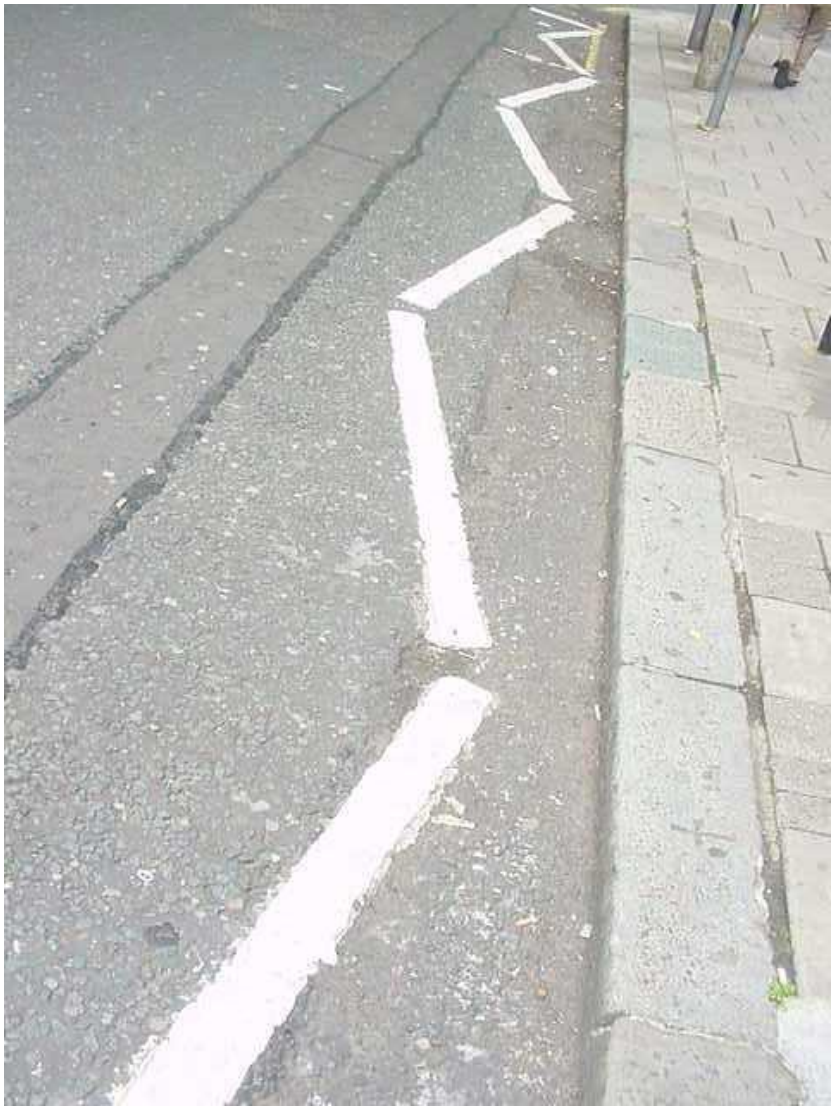


30. KERB (KB)

Material: Concrete – Type: Safety Kerb

Material: Concrete – Type: Bus Stop Special

Material: Natural Stone – Type: Normal



Both kerbs are Material: Natural Stone – Type: Normal

This would be recorded as 4 separate Kerb Assets

This would be recorded as 2 separate Kerb assets

Narrower and more finely cut kerbs are often **mistakenly** recorded as concrete. The two below are in fact NATURAL STONE.

N.B. Do **NOT** collect kerbs along the edge of the plateau on side road entry treatments, such as below:

When kerbs lie sunken within the road, a kerb asset should STILL be recorded, e.g. as seen at the right edge of the Lay-by (the kerb on the left is a good example of a bus stop special kerb)

This wooden feature below (separating footway from carriageway) should be recorded as Kerb: Type = Other; Material = Other

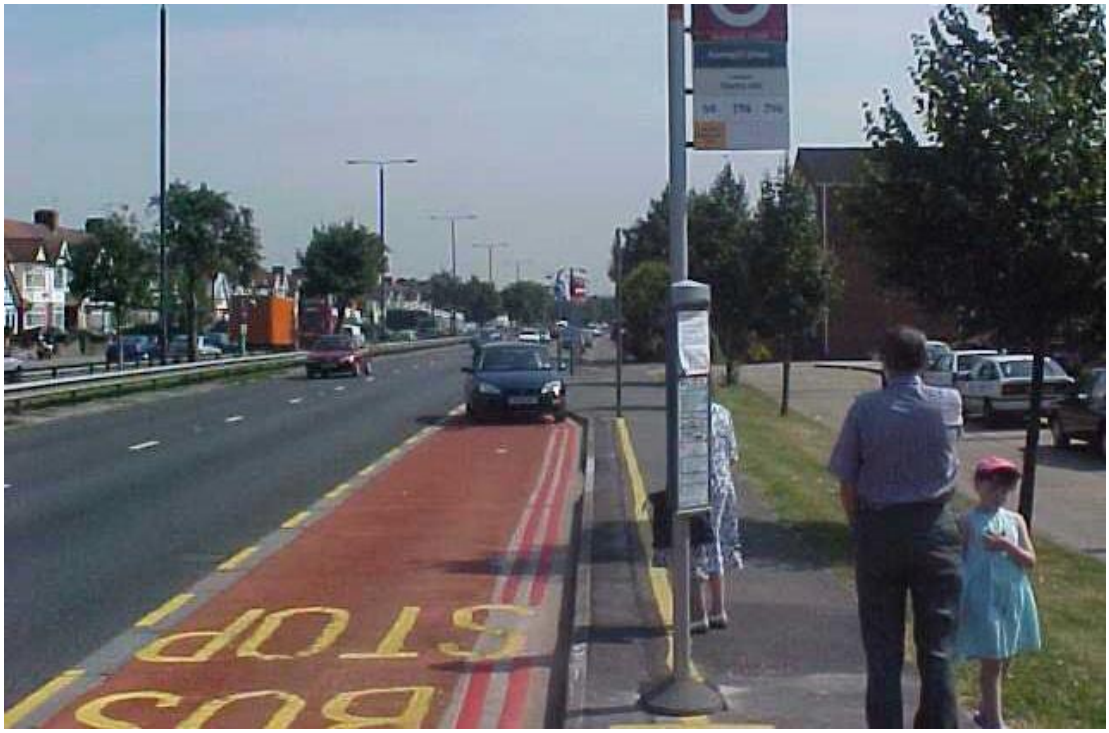
31. LATERAL DRAIN (LD)

Beanie Block= Combined Kerb & Channel

32. LAYBY (LB)

Surface: Block Paving (Natural Stone) - Colour: None

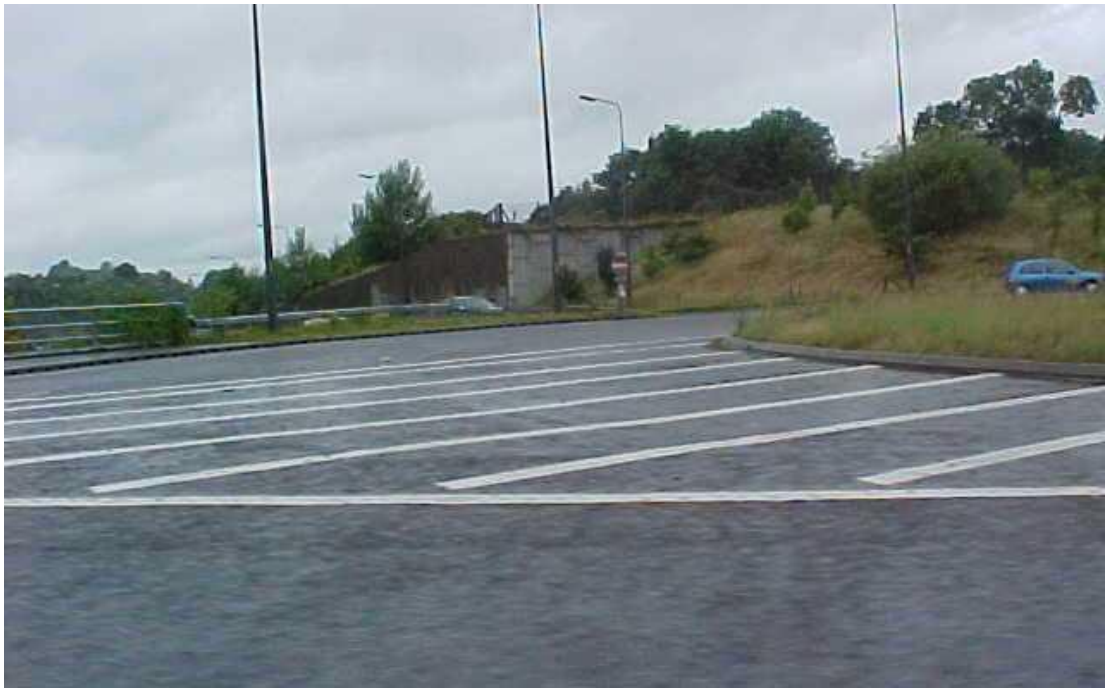
Surface: Anti-Skid - Colour: Red



33. HATCHED ROAD MARKINGS (LH)

Colour: White – Material: Thermoplastic – Pattern: Diagonal - Type of Edge Line: Warning

Colour: White – Material: Thermoplastic – Pattern: Diagonal - Type of Edge Line: Prohibitory



Colour: White – Material: Thermoplastic – Pattern: Chevron - Type of Edge Line: Prohibitory

Colour: White – Material: Thermoplastic – Pattern: Solid - Type of Edge Line: None

Colour: Yellow – Material: Thermoplastic – Pattern: Cross - Type of Edge Line: Prohibitory

Colour: Red – Material: Thermoplastic – Pattern: Diagonal - Type of Edge Line: Prohibitory

34. LONGITUDINAL ROAD MARKINGS (LL)

Class: Double – Colour: White – Type: Unbroken – Material: Thermoplastic

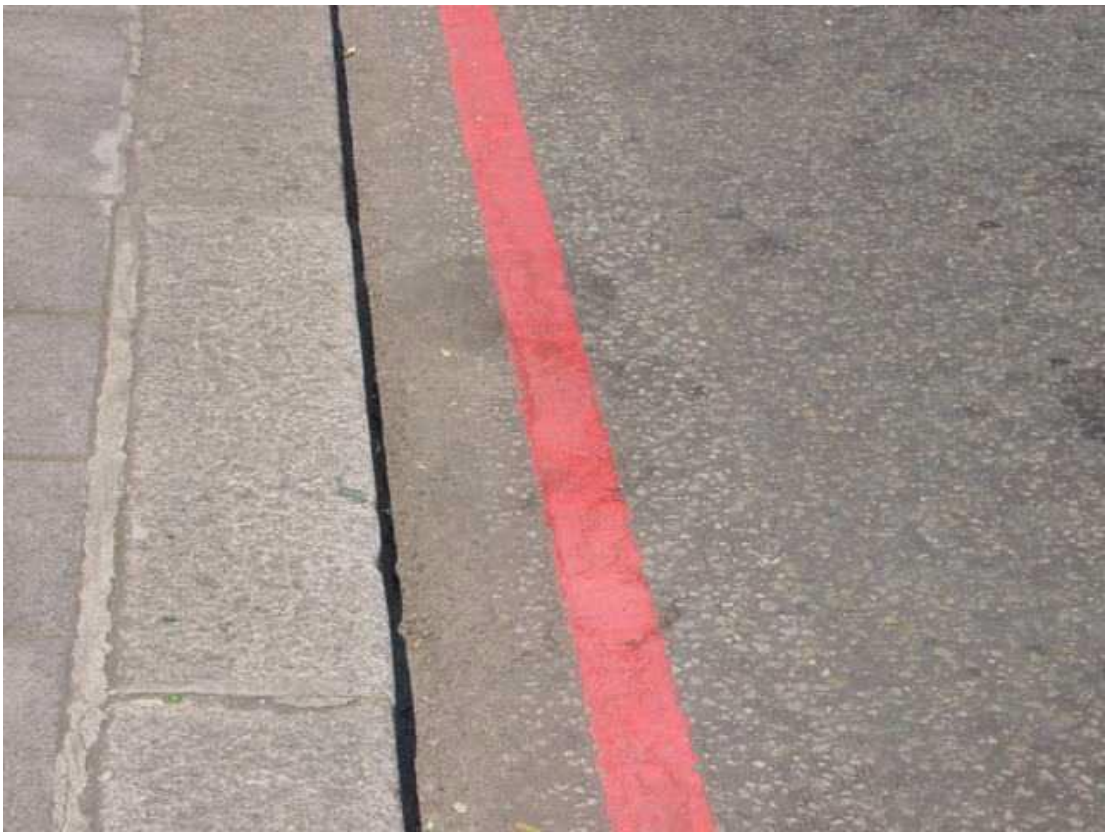
Class: Double – Colour: White – Type: Broken and Unbroken – Material: Thermoplastic

Class: Hazard – Colour: White – Type: Broken – Material: Thermoplastic

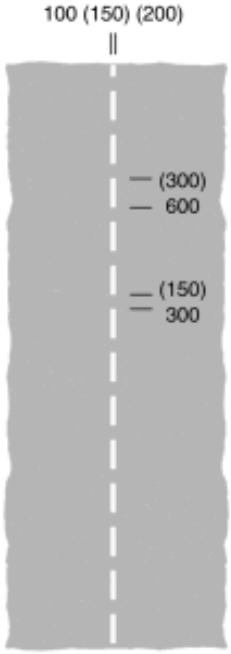
Class: Single – Colour: White – Type: Zig-Zag – Material: Thermoplastic

Class: Double – Colour: Red – Type: Unbroken – Material: Thermoplastic

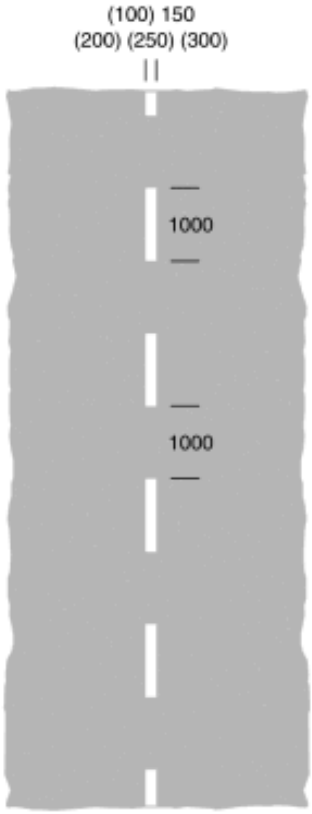
Class: Single – Colour: Red – Type: Unbroken – Material: Thermoplastic



Class: Single – Colour: Yellow – Type: Unbroken – Material: Other



1009
Edge of the carriageway at a road junction, exit from a private drive onto a public road, or where laid diagonally across part of the carriageway, the start of a cycle lane



1010

(a) Edge of the carriageway at a road junction or a lay-by, or at an exit from a private drive onto a public road; or

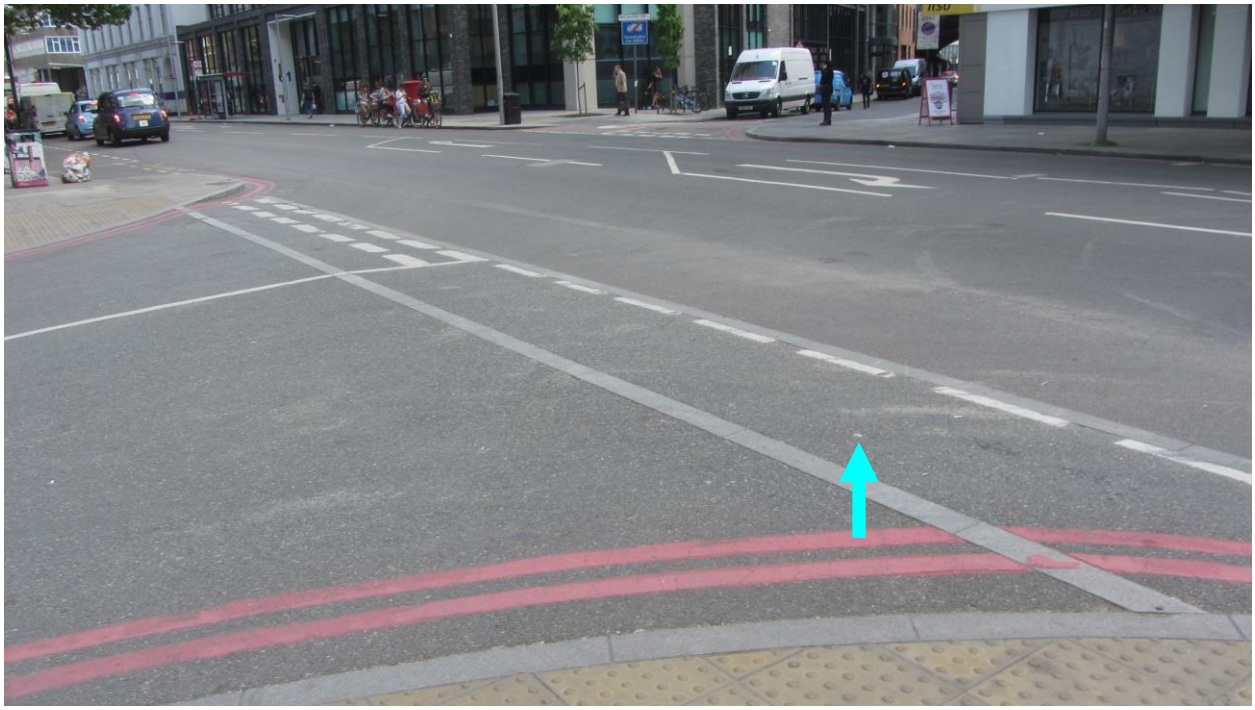
(b) where laid diagonally across part of the carriageway, the start of a traffic lane, the boundary of which is indicated by diagram 1049; or

(c) when used in conjunction with diagrams 1014 and 1024.1, the most suitable path to be taken by high vehicles under a low bridge or to avoid an overhanging structure; or

(d) when laid alongside rails used by tramcars, the edge of the part of the carriageway used by the tramcars; or

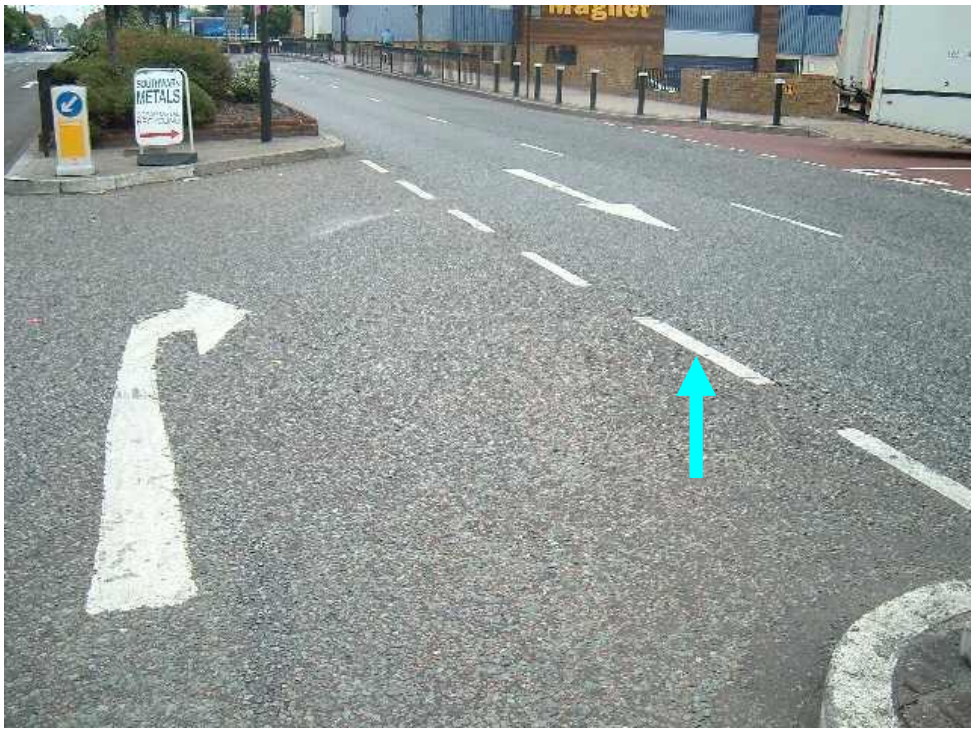
(e) the division between the main carriageway and a traffic lane which leaves the main carriageway at a junction ahead

Single / White / Broken / Thermoplastic / Length = 0.6 / Width = 0.1 / Gap = 0.3 / Diagram Number = 1009



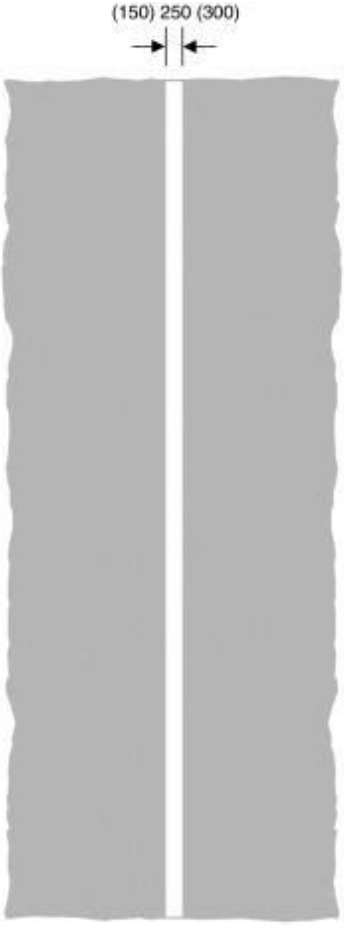
Same as above: 1009

Entry across carriageway to side Road – Single / White / Broken / Thermoplastic / Length = 1 / Width = 0.1 / Gap = 1 / Diagram Number = 1010



Same as above: 1010

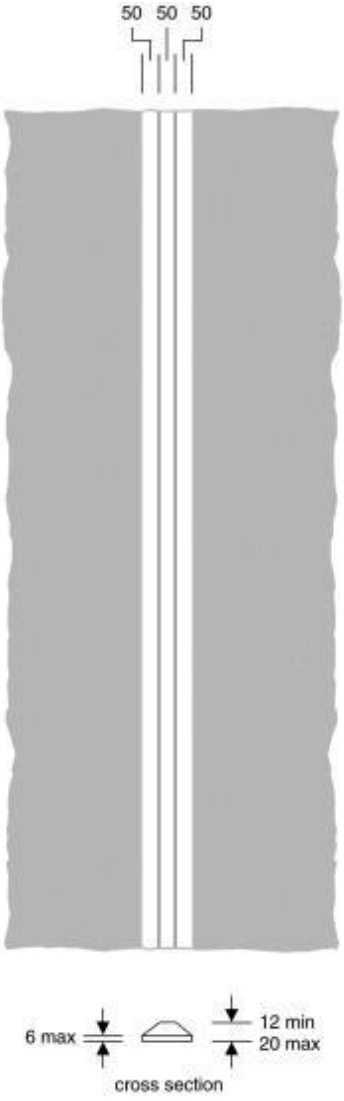
Edge of Bus Lane and Mandatory Cycle Lanes:



1049

Boundary of a bus lane, cycle lane, cycle track or route used by pedal cycles and pedestrians only. Where used in conjunction with the sign shown in diagram 957, the division of a route into that part reserved for pedal cycles and that part reserved for pedestrians

em	
1	Regulations: 4, 31
2	Directions: 7, 17, 18(3), 18(5), 33
3	Diagrams: 955, 956, 957, 959, 959.1, 960, 960.1, 1010, 1014, 1048, 1048.1, 1050, 1057, 1058
4	Permitted variants: None



1049.1

Division of a route into that part reserved for pedal cycles and that part reserved for pedestrians

Item	
1	Regulations: 11(2), 32(2)
2	Directions: 7, 18(3), 33
3	Diagrams: 957, 1057, 1058
4	Permitted variants: None

If the Kerb dividing the FW from the CT below is painted – please record as a 1049.1

35. LIGHTING POINT (LP)

Attrib & List Value	Example
Category LP1: Lamp post **Asset Fixing LP1:** Lamp post **Category LP2:** Belisha Beacon **Asset Fixing LP2:** Lamp post **Post Type PS:** Lighting Column	
Category LP1: Central island post **Asset Fixing LP1:** Post **Category LP2&3:** Belisha Beacon **Asset Fixing LP2:** Post **Post Type PS:** Central Island/ Belisha Beacon Post	

Category LP1: Lamp post **Asset Fixing LP1:** Lamp post **Category LP2:** Footpath light **Asset Fixing LP2:** Lamp post **Post Type PS:** Lighting Column	
Category LP1: Lamp post **Asset Fixing LP1:** Lamp post **Category LP2:** Belisha beacon **Asset Fixing LP2:** Lamp post **Post Type PS:** Lighting Column **Column Type PS:** Modupost	 

Category LP: Hand rail **Asset Fixing LP:** Slotted Channel	 
Category LP: River Navigation light **Asset Fixing LP:** Bridge	
Category LP: Spotlight **Asset Fixing LP:** In Ground	

Column Type PS (top left to bottom right): Tapered / Conical Winched Mechanically (High Mast only) Raise&Lower Tubular	  
Bracket Type LP (top left to bottom right): Internal – Side Entry - Hockey Stick External – Top Entry - Swan Neck External – Top Entry - Stirrup Clamped – Side Entry - Stub	   

Asset Fixing LP: Wall **Bracket Type LP** Wall – Side Entry - Stub **Post Type PS:** Wall Mounted Arm	
Category LP: Subway light **Bracket Type LP** NA / Fixed [Wall] NA/Suspended [Ceiling]	 
Floating Post Asset Fixing LP: Record sign light against one of the main posts and NOT against the little one – just add the details to the notes column of the LP	

36. PLANTED AREA (PL)

Type: Raised - Material: Timber

Type: Raised - Material: Natural Stone

Please collect Tree pits, e.g. below, as Planted Areas

1: Surface Level

2: Raised (one polygon to capture the whole length of tubs is enough)

Regime Category: Shrub

Regime Category: Bedding

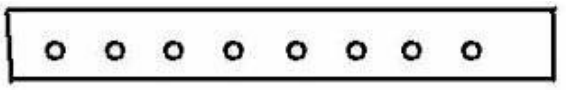
37. PEDESTRIAN GUARDRAIL (PR)

Material: Alloy – Colour: Green – Type: Plain

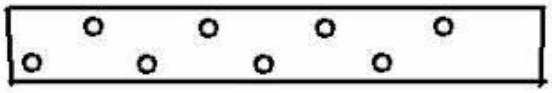
Material: Steel – Colour: Green – Type: Visirail

Material: Alloy – Colour: Unpainted – Type: Visirail

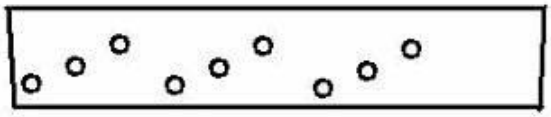
Below is a vertical and cross sectional guide to differentiating Plain and Visirail



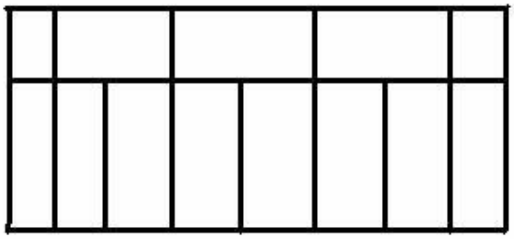
PR - Plain



PR - Visirail (Example 1)



PR - Visirail (Example 2)



PR - Visirail (Example 3)
(From side on)

38. POST (PS)

Type: Post Carrying Sign – Column Material: Steel

Type: Bollard – Column Material: Steel

Type: Bollard – Column Material: Concrete

Type: Bollard – Column Material: Steel

Post Type: Signal Mast Arm

Post Type: CCTV Camera Mast

Post Type: Screen

Post type: Tram cable

Post type: Delineator Bollards

Column Manufacturer: Lattix – Type: Lattice Triangular

Column Manufacturer: Lattix – Type: Lattice Square

39. PEDESTRIAN CROSSING (PX)

Type: Pelican (See Definition in Rules)

Type: Zebra (See Definition in Rules)

Type: Puffin (See definition in rules)

Type: Toucan (See Definition in Rules)

Type: Pegasus

Pegasus

40. TRANSVERSE AND SPECIAL ROAD MARKINGS (RM)

Note: All diagrams used in the following section are reproduced in accordance with the copyright of the source: Statutory Instrument 2016 No. 3113, The Traffic Signs Regulations and General Directions 2016, © Crown Copyright 2016

Diagram: 1001 - Class: Stop – Colour: White – Material: Thermoplastic – Text: None

Diagram: 1029 - Class: Words – Colour: White – Material: Thermoplastic – Text: Look Right

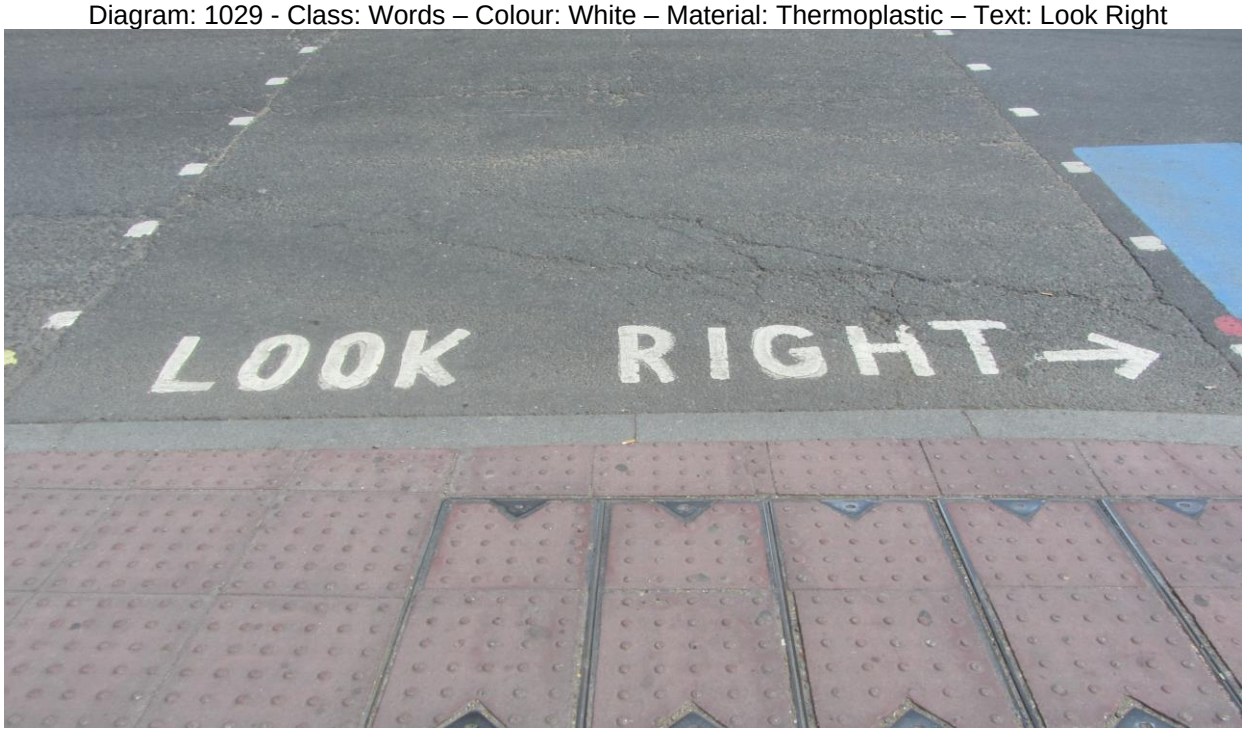


Diagram: 1025.1 - Class: Bus Cage – Colour: Yellow – Material: Thermoplastic – Text: Other - Additional Details: Bus Stop

Diagram: 1057 - Class: Cycle Symbol – Colour: White – Material: Thermoplastic – Tex: None

Diagram: [dependant upon RR sign diagram number]
Class: Parking Bay – Colour: White – Material: Thermoplastic – Text: None

Class: Disable Only Bay – Colour: White – Material: Thermoplastic – Text: Other – Additional Details: Disabled

Class: Taxi Bay – Colour: Yellow – Material: Thermoplastic – Text: Other - Additional Details: E-TAXIS ONLY

Class: Coaches Bay – Colour: White – Material: Thermoplastic – Text: Other – Additional Details: COACHES

Class; Doctor Bay – Colour: White – Material: Thermoplastic – Text: Other – Additional Details: DOCTOR

The guide below defines how to collect the RM – Class of a parking / loading bay based on its associated sign.

Loading with Disabled Access

Loading WITHOUT Disabled Access

Parking Bay

Disabled Only Bay

Unfortunately, the white Permit or Badge holder bays (below) do add some complications. If you see similar signs to those below, (and they are within HA boundary) please can you record all bays associated to **Resident Permit Holder** signs as RM -Class- 12 - 'Permit Holders Only.'

Permit Holder Only Bay

Any bays associated with **Doctor or Disabled Permit Holder** signs please can you record them as RM - Classes – 'Doctor' or 'Disabled Only'.

Disabled Only Bay

Doctor Bay

Bays that are identified by white signs with ‘Pay at Meter only’ on them should be recorded as RM – Class - ‘Parking Bay’.

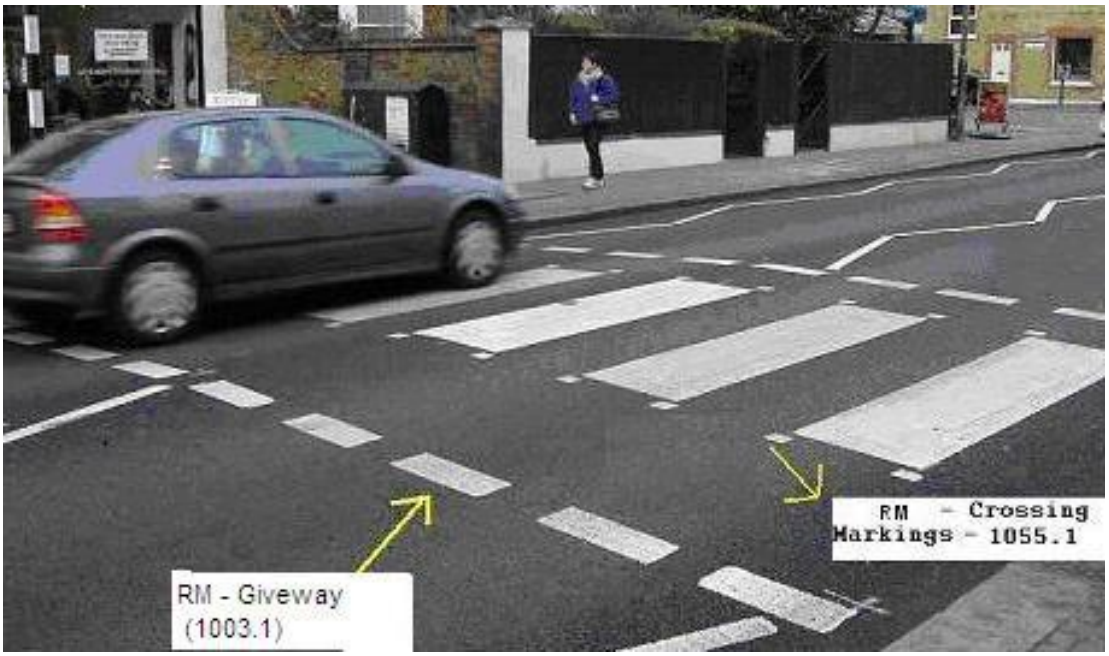
Parking Bay

If there is then the need to report on NON- Red Route Parking, Doctor or Disabled Only Bays we can always pick these up by running a spatial search on the signs near them that have a Category of ‘Regulatory’ and not ‘Red Route’, as all these white signs should have a category – Regulatory.

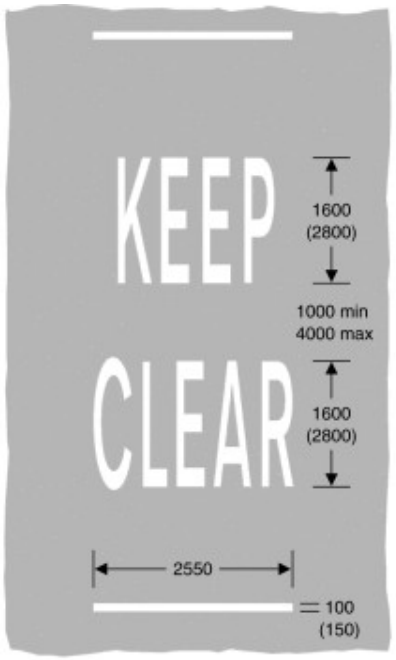
Diagram: 1069 - Class: Congestion Charging Symbol – Colour: Red – Material: Thermoplastic – Text: None

Diagram: 1069 - Class: Congestion Charging Symbol – Colour: White – Material: Thermoplastic – Text: None

The Lines at a Zebra Crossing should be recorded as follows:



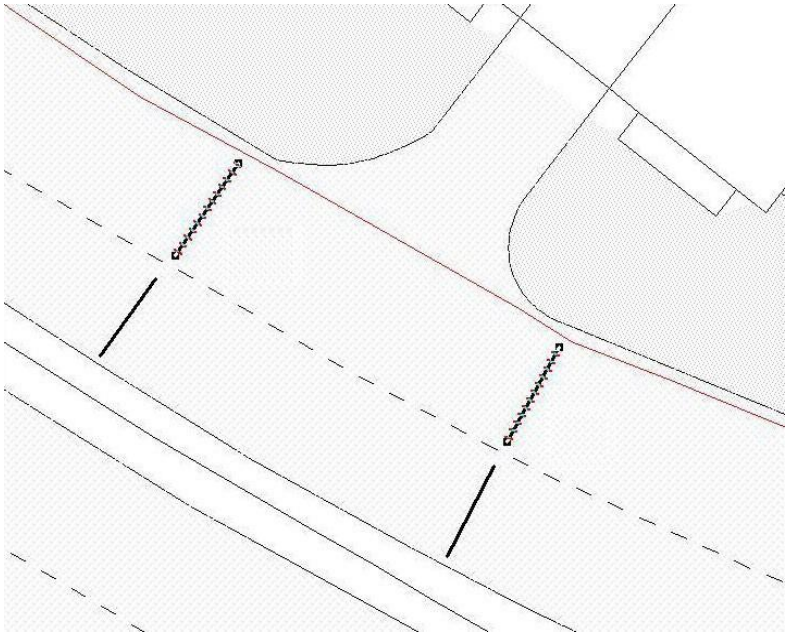
Class: Keep Clear Without Zig Zag – Colour: White – Material: Thermoplastic – Text: Other – Additional Details: KEEP CLEAR
Diagram (example from the TSRGD)



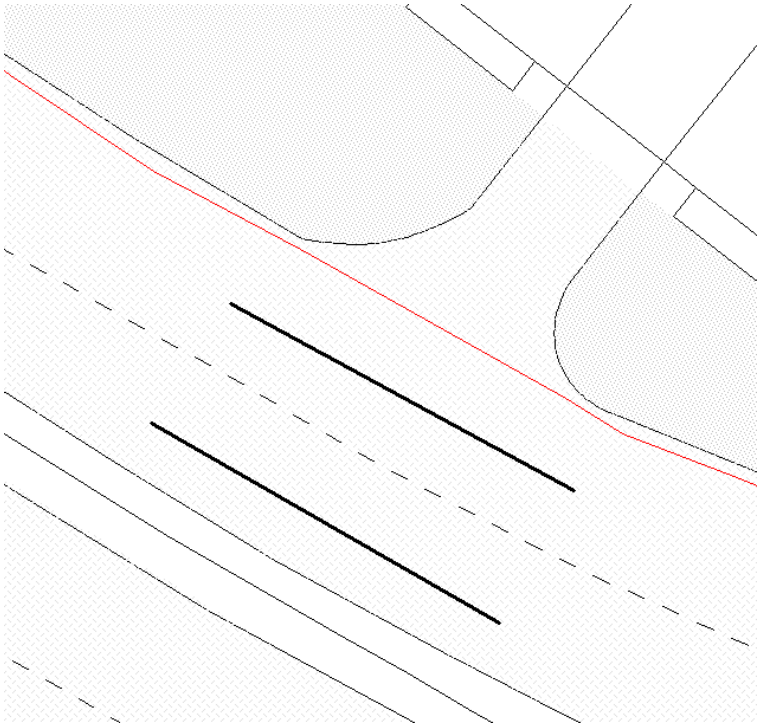
1026
Part of the carriageway which should be kept clear of stationary vehicles

Class: Keep Clear Without Zig Zag – Colour: White – Material: Thermoplastic – Text: Other – Additional Details: KEEP CLEAR

Ideally, we would like you to represent the above like this: (i.e. only draw two RM assets, one per lane) each showing the full extent of the marking that appears on site.



If, however, your collection software does not allow you to combine objects (see the two highlighted lines) then the assets should be collected as below:



The following includes examples from the Traffic Signs Regulations & General Directions 2016:

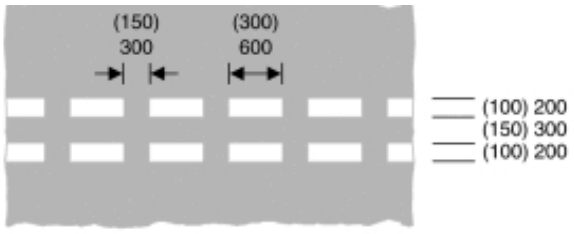
Class: Stop – Colour: White – Material: Thermoplastic – Text: None - Diagram Number: 1001

1001
Vehicular traffic must not proceed beyond the line when required to stop by light signals, by a constable in uniform or by a traffic warden

Class: Stop – Colour: White – Material: Thermoplastic – Text: None - Diagram Number: 1002.1

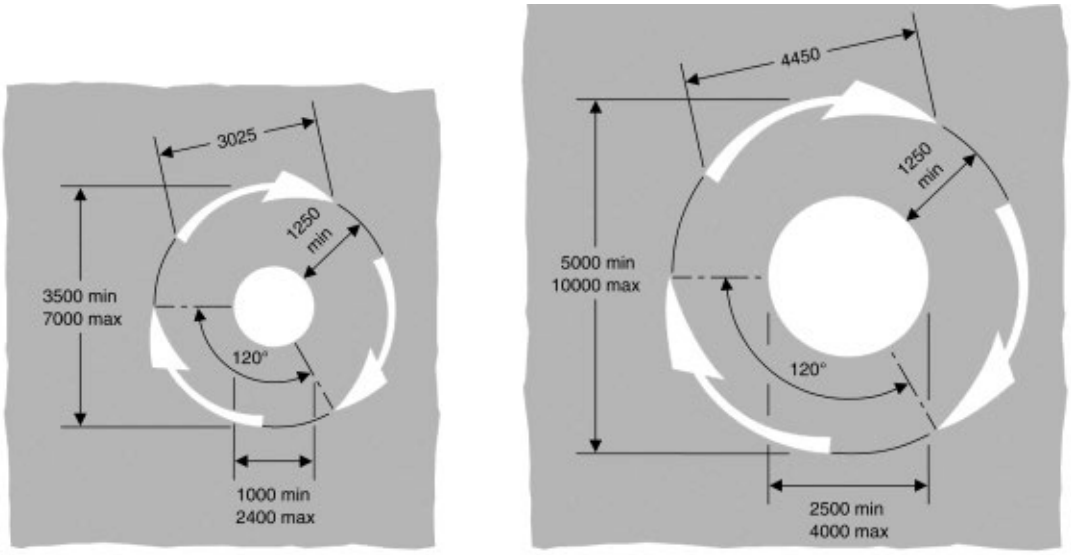
1002.1
Vehicular traffic must not proceed beyond the line when required to stop by the sign shown in diagram 601.1

Class: Give-Way – Colour: White – Material: Thermoplastic – Text: None - Diagram Number: 1003



1003
Vehicular traffic must give way in accordance with the requirements of regulation 25

Class: Roundabout – Colour: White – Material: Thermoplastic – Text: None - Diagram Number: 1003.4

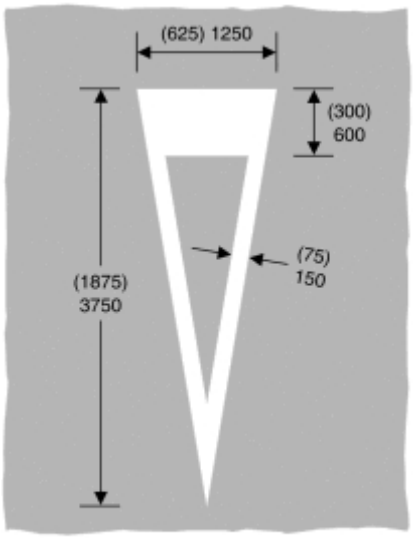


1003.4
Marking used in conjunction with the sign shown in diagram 611.1 and conveying the requirements prescribed by regulation 16 (Alternative types)

Class: Words – Colour: White – Material: Thermoplastic – Text: STOP - Diagram Number: 1022

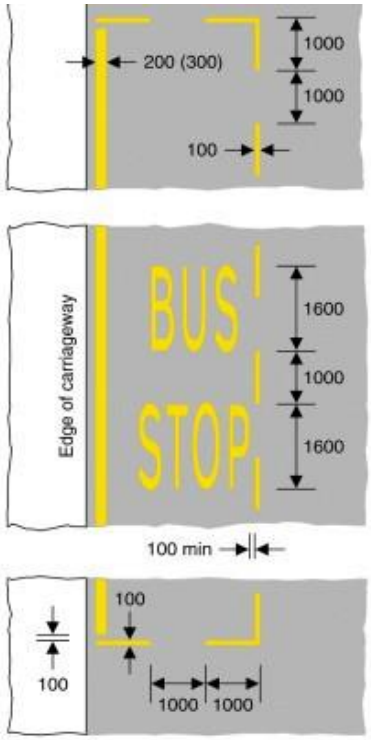
1022
Approach to a road junction or level crossing at or near which is placed the sign shown in diagram 601.1 and the road marking shown in diagram 1002.1

Class: Give Way – Colour: White – Material: Thermoplastic – Text: None - Diagram Number: 1023

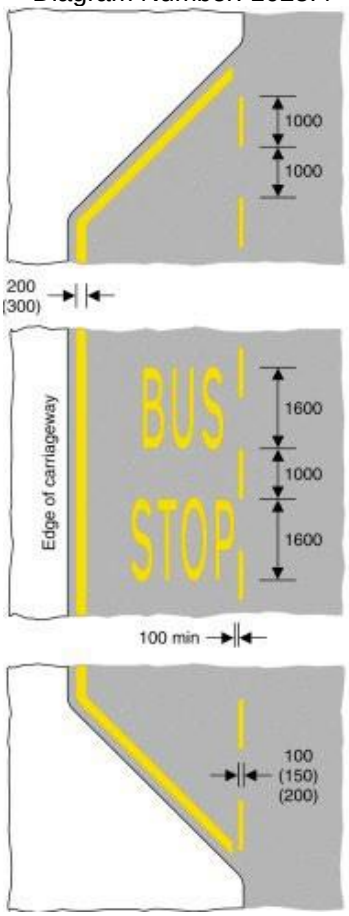


1023
Approach to a road junction, level crossing or road narrowing at or near which is placed the marking shown in diagram 1003 or 1003.3

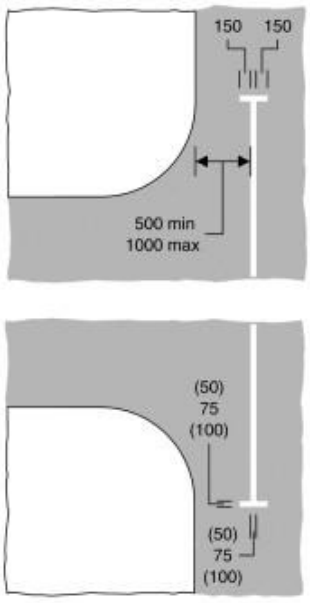
Class: Bus Bay – Colour: Yellow – Material: Thermoplastic – Text: Other – Additional Details: BUS STOP
Diagram Number: 1025.1



Class: Bus Bay – Colour: Yellow – Material: Thermoplastic – Text: Other – Additional Details: BUS STOP
Diagram Number: 1025.4

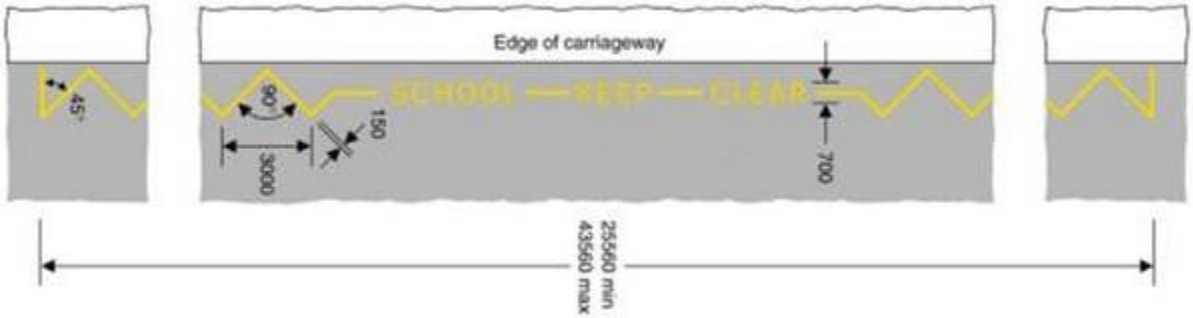


Class: Keep Clear Without Zig Zag – Colour: White – Material: Thermoplastic – Text: None – Diagram Number: 1026.1



1026.1
Part of the carriageway outside an entrance to off-street premises or a private drive, or where the kerb is dropped to provide a convenient crossing place for pedestrians, which should be kept clear of waiting vehicles

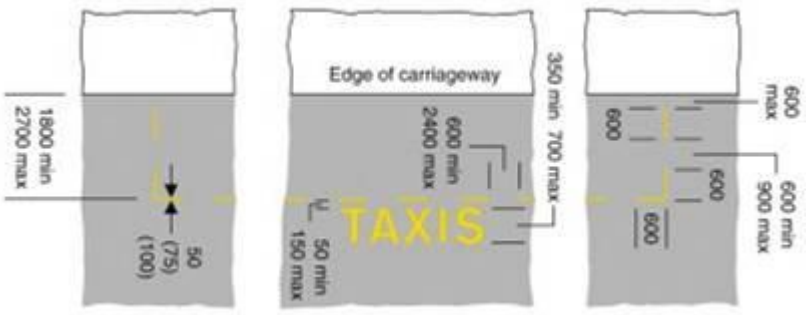
Class: Keep Clear With Zig Zag – Colour: Yellow – Material: Thermoplastic – Text: Other – Additional Details: KEEP CLEAR – Diagram Number: 1026.1



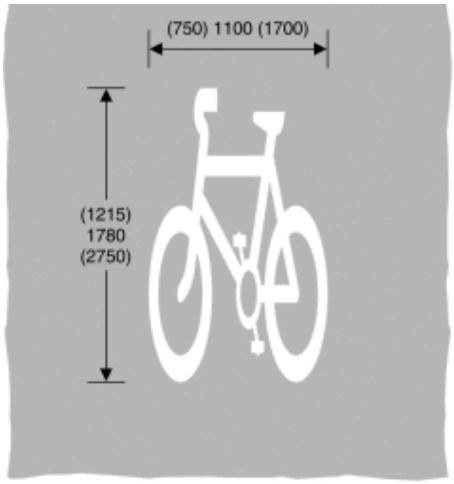
Note: The Red Line in this example would be a separate LL asset

The unusual case below should be recorded as:
Class: Keep Clear With Zig-Zag – Text: Other – Further details: No Parking – Diagram Number: 1026.1

Class: Taxi Bay – Colour: Yellow – Material: Thermoplastic – Text: Other – Additional Details: TAXIS - Diagram Number: 1028.2

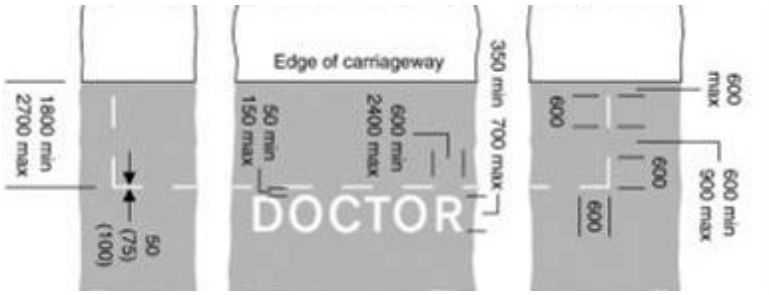


Class: Disabled Bay – Colour: White – Material: Thermoplastic – Text: None – Diagram Number: 1028.3

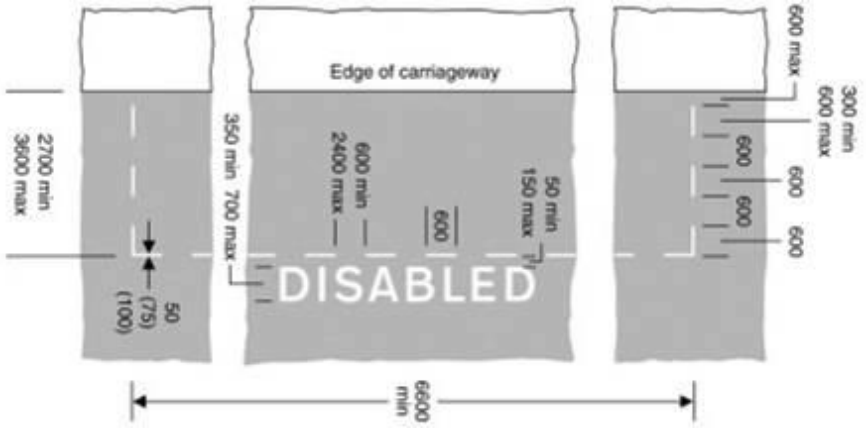


1057
Cycle lane, track or route

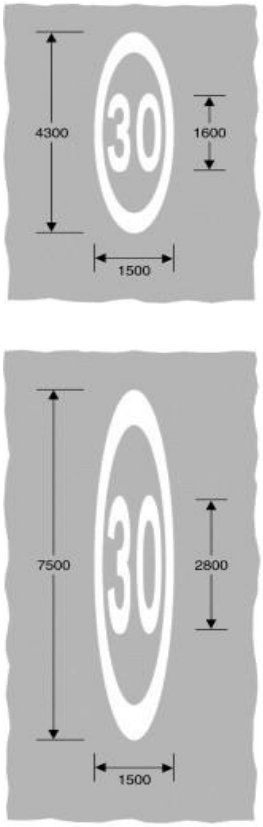
Class: Doctor Bay – Colour: White – Material: Thermoplastic – Text: Other – Additional Details: DOCTOR – Diagram Number: 1028.4



Class: Cycle Symbol – Colour: White – Material: Thermoplastic – Text: Other – Additional Details: DISABLED – Diagram Number: 1057



Class: Speed Limit Symbol – Colour: White – Material: Thermoplastic – Text: None – Diagram Number: 1065



1065
Maximum speed limit
(Alternative sizes)

41. RIVER WALL (RR)

Type: Stone

Type: Brick

Type: Sheet Piling

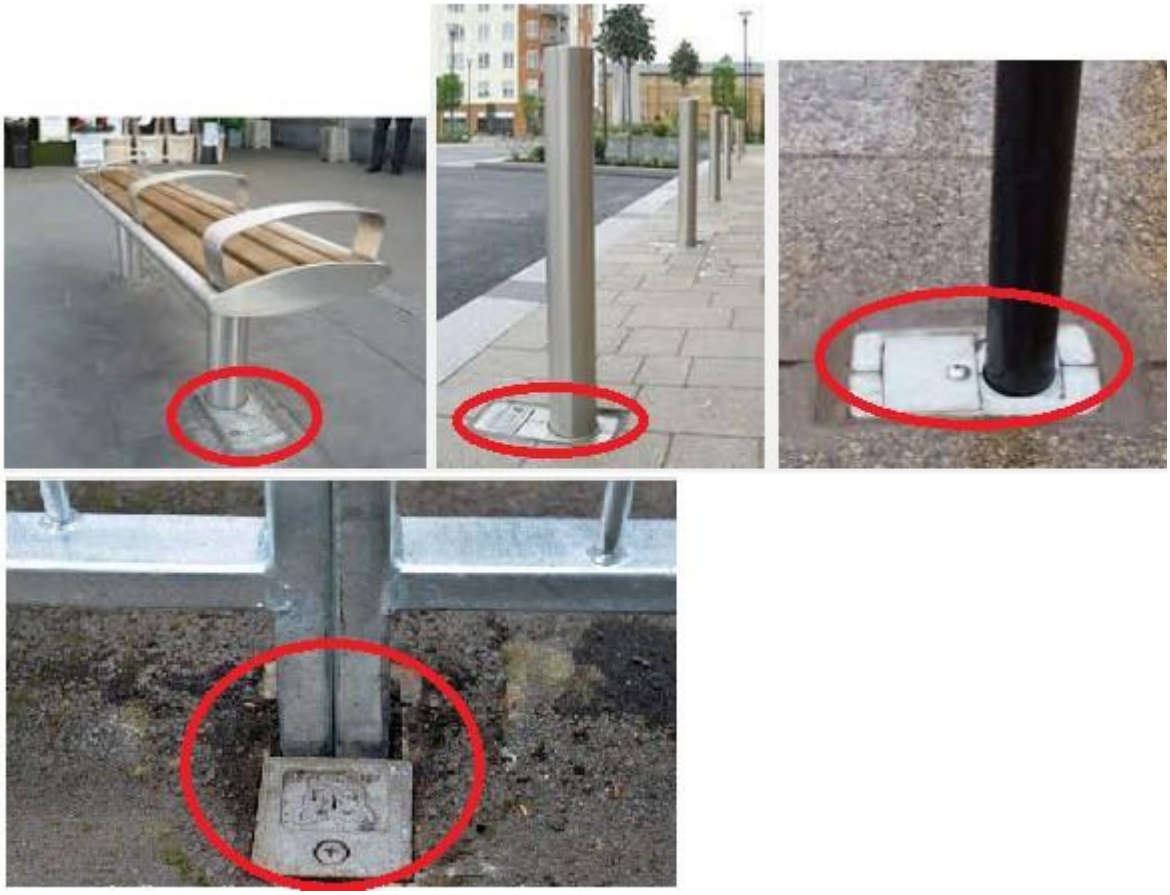
Type: Other (Wood)

42. ROAD STUDS (RS)

Type: Cats-eye – Class: Warning or Informatory – Colour: Other

Type: Stick on Single Sided – Class: Prohibitory – Colour: Red

43. RETENTION SOCKET (RT)



44. RETAINING WALL (RW)

Type: Mass Concrete (Safety Fence and Fence & Barrier on top)

Type: Stone (Pedestrian Guardrail on top)

Type: Sheet Piling

45. SAFETY BOLLARD (SB)

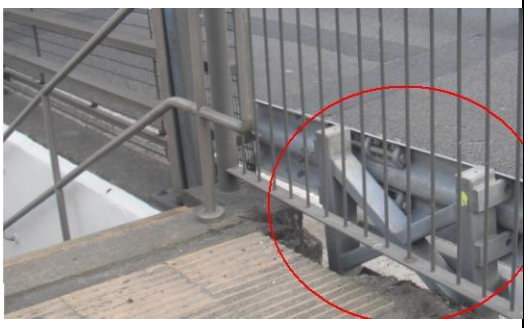
Illuminated Internally: Yes – Reflectorised: Yes

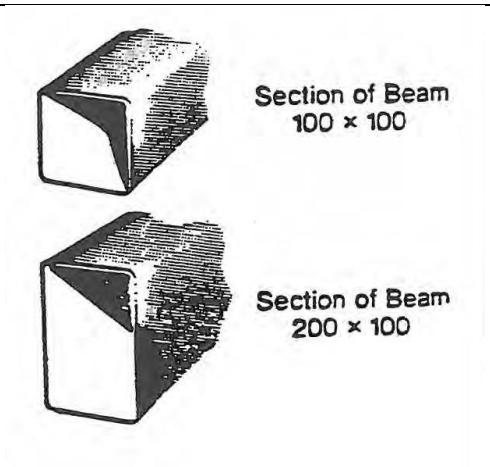
Illuminated Internally: No – Reflectorised: Yes

Illuminated Internally: Yes – Reflectorised: Yes

Illuminated Internally: Yes – Reflectorised: No

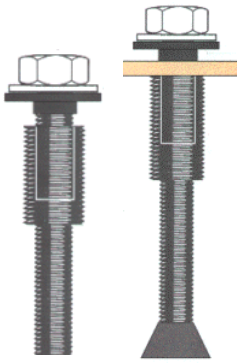
46. SAFETY FENCE (SF)

Attribute & List Value	Example
Start Type: P1 Terminal End Type: P1 Terminal For use on roads with a speed limit of less than 50mph, or departure ends on roads above 50mph (see TD19/06 for guidance)	
Start Type: Full Height Anchor End Type: Full Height Anchor	 
Start Type: P4 Terminal End Type: P4 Terminal For use on roads with a speed limit of 50 mph and greater (see TD19/06 for guidance)	

Start Type / End Type: 'Quadguard'	 Quadguard Crash Cushion
System Type: OBB (Open Box Beam)	
System Type: DROBB (Double Rail Open Box Beam)	
System Type: RHS (Rectangular Hollow Section)	

System Type: TCB (Tensioned Corrugated Beam)	
System Type: UCB (Untensioned Corrugated Beam)	
System Type: VCB (Vertical Concrete Barrier)	
System Type: WIR (Wire Rope)	

System Type: PRP (Proprietary System) Flexbeam	
System Type: Parapet	 
System Type: Guard	

Anti-Glare on safety fences	 
Post Type: DRV (Driven)	
Post Type: SKT (Socket)	
Post Type: SMF (Surface Mounted Socket)	

Post Type: SMM (Surface Mounted Stud)	
Post Type: WMO (Wall Mounted)	
Post Type: WOD (Wooden)	

47. SIGNS (SG)

Category: Warning – Illuminated: Internal – Reflectorised: No – Mounting Method: Lamp Post

Category: Regulatory – Illuminated: Internal – Reflectorised: No – Mounting Method: Post

Category: Regulatory – Illuminated: External – Reflectorised: Yes – Mounting Method: Bridge

Category: Regulatory – Illuminated: External – Reflectorised: Yes – Mounting Method: Post

20pmh sign = Category: Regulatory – Illuminated: No – Reflectorised: Yes – Mounting Method: Lamp Post
Cycle Route sign = Category: Cycle – Illuminated: No – Reflectorised: Yes – Mounting Method: Lamp Post

Category: Regulatory – Illuminated: No – Reflectorised: Yes – Mounting Method: Traffic Signal

Category: Informatory Primary Route – Illuminated: Remote – Reflectorised: Yes – Mounting Method: Post

Category: Informatory Other – Illuminated: No – Reflectorised :Yes – Mounting Method: Post

Category: Informatory Other – Illuminated: No – Reflectorised: No – Mounting Method: Post (2 X SG)

Category: Bus – Illuminated: No – Reflectorised: Yes – Mounting Method: Lamp Post

Category: Tram – Illuminated: No – Reflectorised: Yes – Mounting Method: Post

Category: Cycle – Illuminated: No – Reflectorised: Yes – Mounting Method: Post - Number of Posts: 1

Category: Hazard Warning – Illuminated: Internal – Reflectorised: Yes – Mounting Method: Lamp Post

Category: Variable Message Sign – Illuminated: Internal – Reflectorised: No – Mounting Method: Post

Category: Red Route – Illuminated: No – Reflectorised: Yes – Mounting Method: Post

Category: Street Name Plate – Illuminated: No – Reflectorised: Yes – Mounting Method: Wall

You Should **NOT** collect small signs such as: ‘no littering, no dog fouling, no drinking’ (these are often found on Lighting Points). An example is shown below:

Type: Screening

Type: ADR Tunnel signs

Type: Vehicle activated sign

48. SUBWAY (SU)

Owner: TfL

49. EMERGENCY TELEPHONE BOX (TB)

50. TRAM LINES (TL)

51. TREE (TR)

52. TRAFFIC SIGNALS (TS)

Type: Pelican – (i.e. ‘Far Side’ red / green man signals)

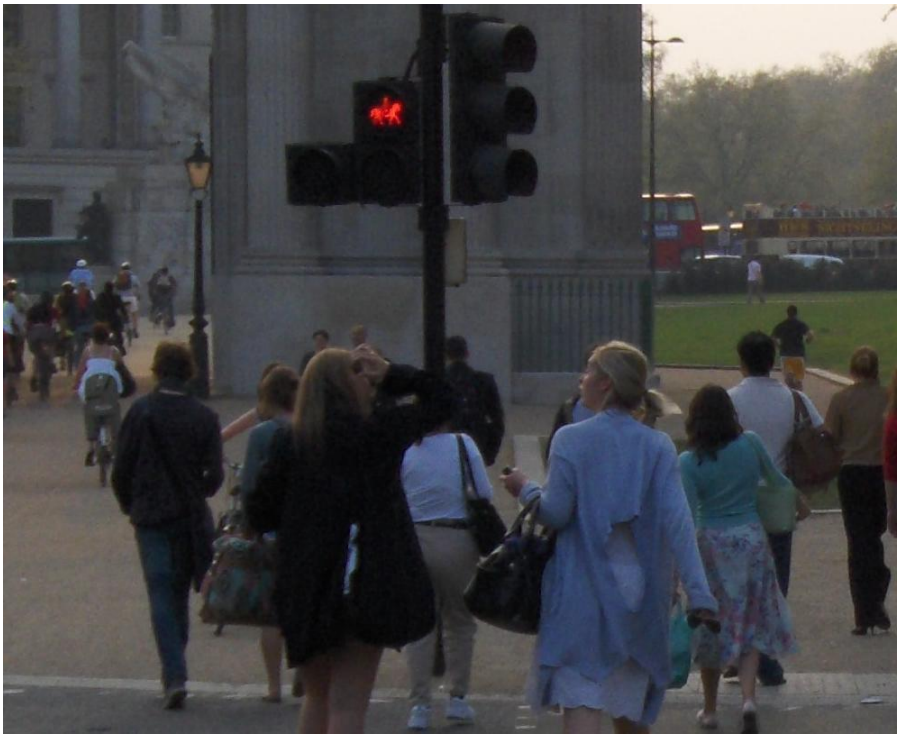
(A Push Button wait is also attached to the Post)

Type: Traffic (for stopping traffic)
(Notice a Push Button is also attached to the Post)

Type: Toucan (i.e. shared cycle and red / green man signals)

(Notice a Push Button and a Type Traffic are also attached to the Post)

Type: Pegasus (far side signal)



Type: Push Button Puffin (notice pedestrian sensors on the Traffic heads)

Type: Wig Wag (stops road traffic)