

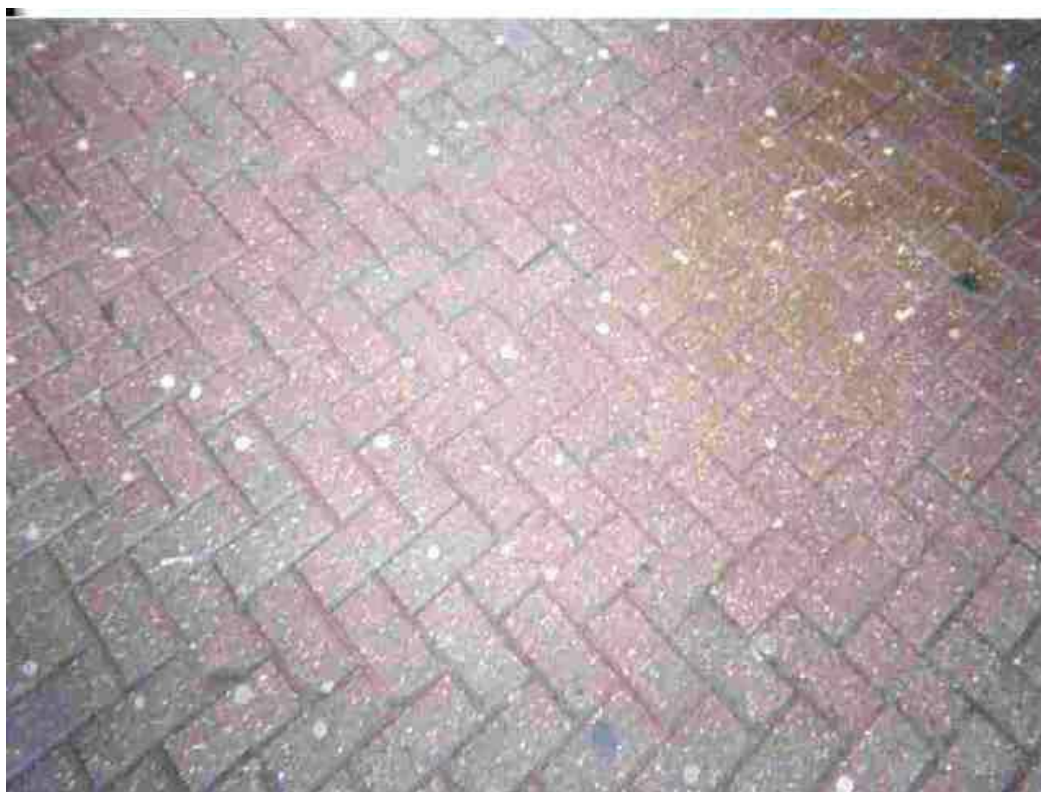
Surface: York Stone



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)

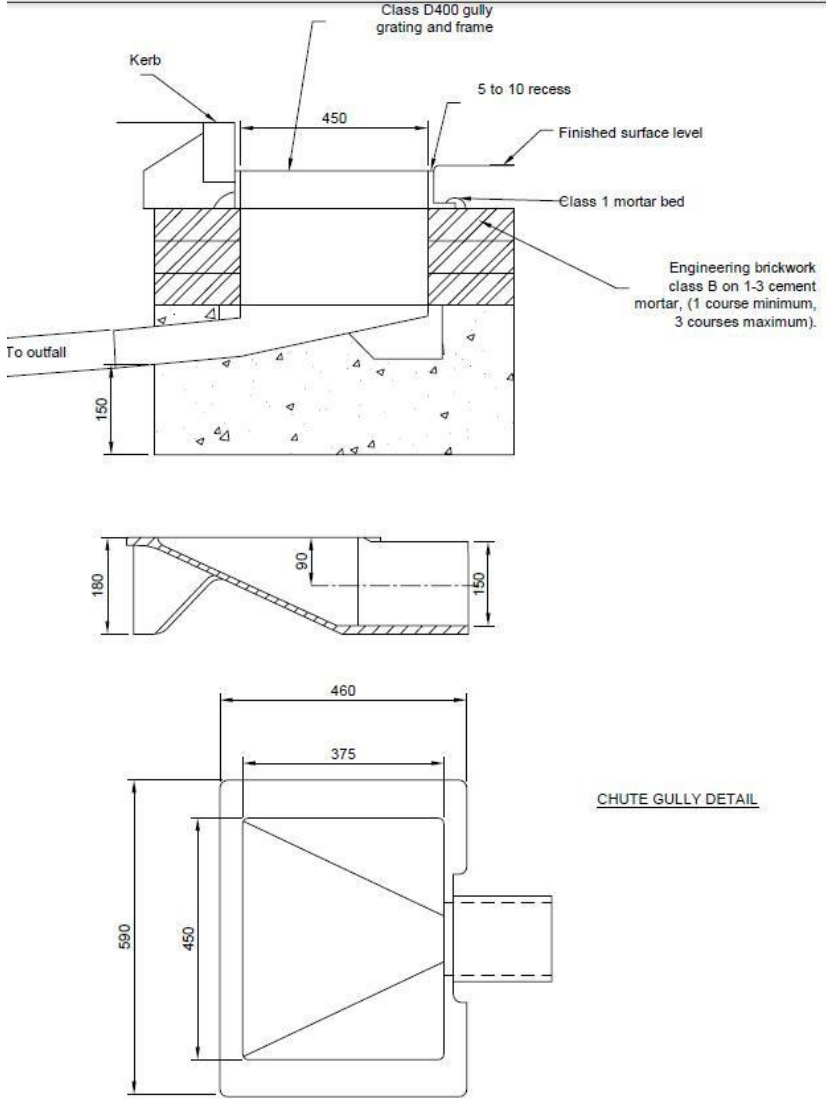


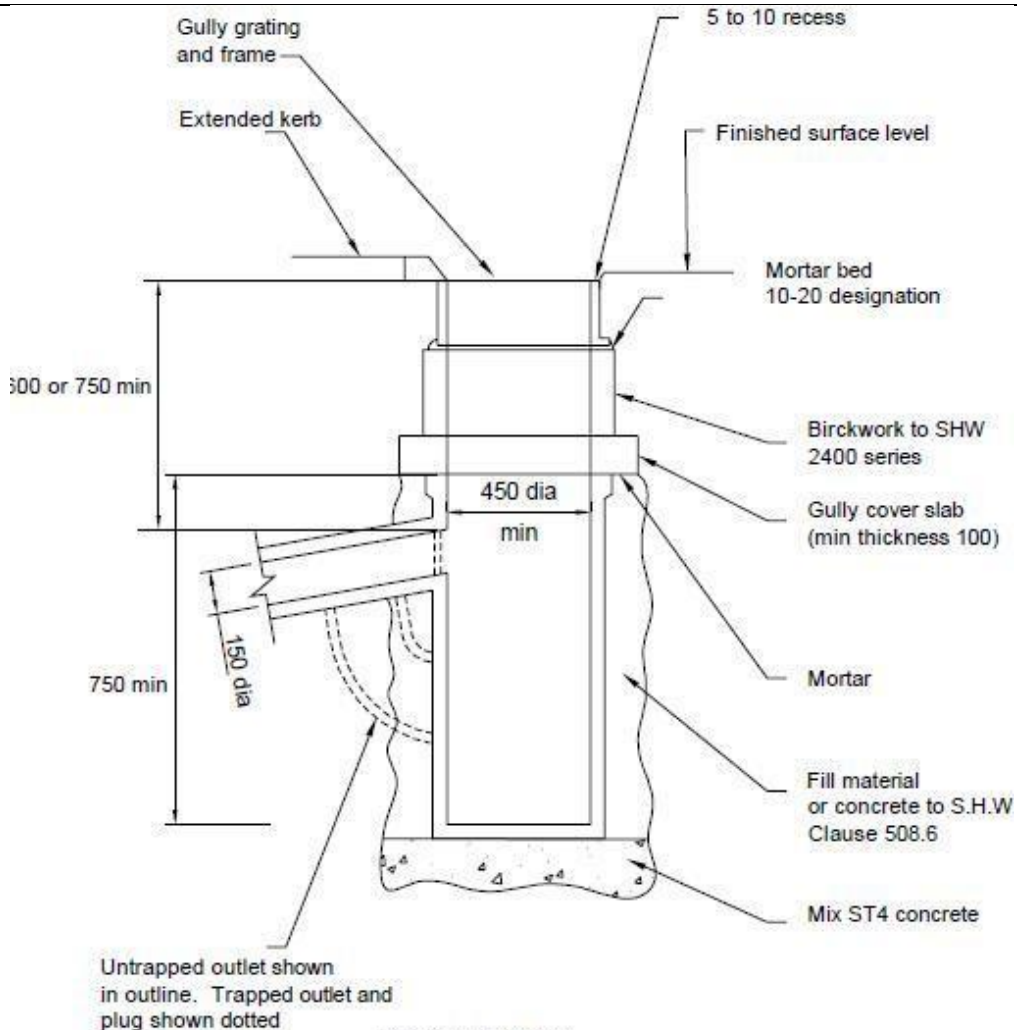
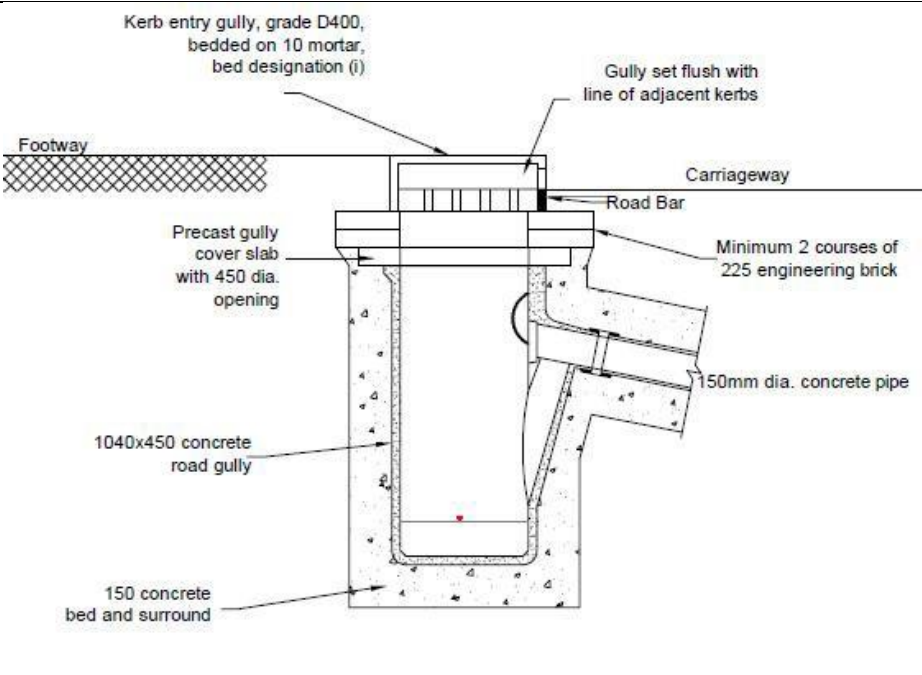
26. GRIP (GP)

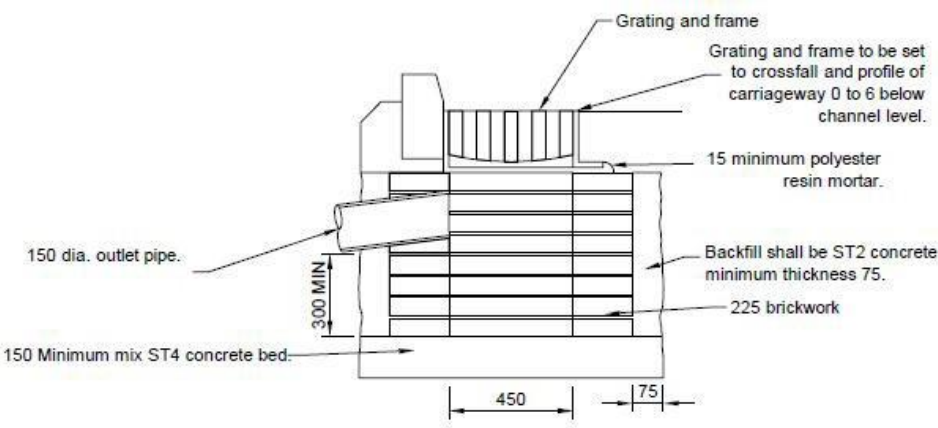
Only found in rural areas



27. GULLY (GY)

Attribute & List Value	Example
Cycle Safe	
Chute	 <u>CHUTE GULLY DETAIL</u>

Precast	 5 to 10 recess Finished surface level Mortar bed 10-20 designation Brickwork to SHW 2400 series Gully cover slab (min thickness 100) Mortar Fill material or concrete to S.H.W. Clause 508.6 Mix ST4 concrete 300 or 750 min 750 min 150 dia 450 dia min Untrapped outlet shown in outline. Trapped outlet and plug shown dotted <u>PRECAST GULLY</u>
Kerb Inlet	 Kerb entry gully, grade D400, bedded on 10 mortar, bed designation (i) Gully set flush with line of adjacent kerbs Footway Carriageway Road Bar Minimum 2 courses of 225 engineering brick 150mm dia. concrete pipe 1040x450 concrete road gully 150 concrete bed and surround Precast gully cover slab with 450 dia. opening <u>KERB INLET GULLY DETAIL</u>

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



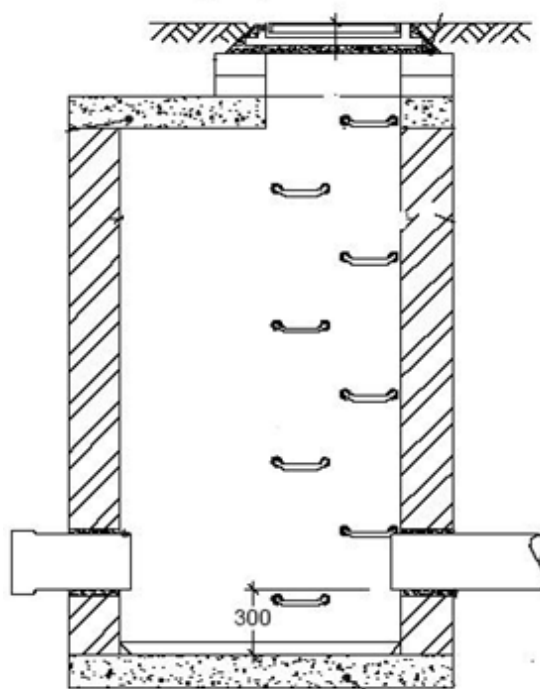
Double Cover (only one asset as chamber is asset); Cover Shape: Rectangle



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.



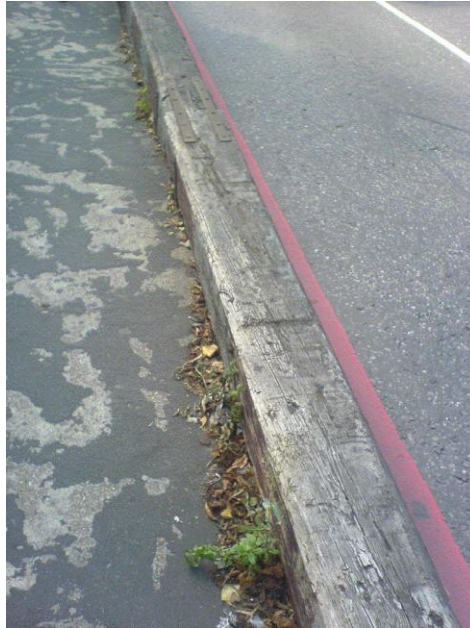
N.B. Do **NOT** collect kerbs along the edge of the plateau on side road entry treatments, such as below:



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

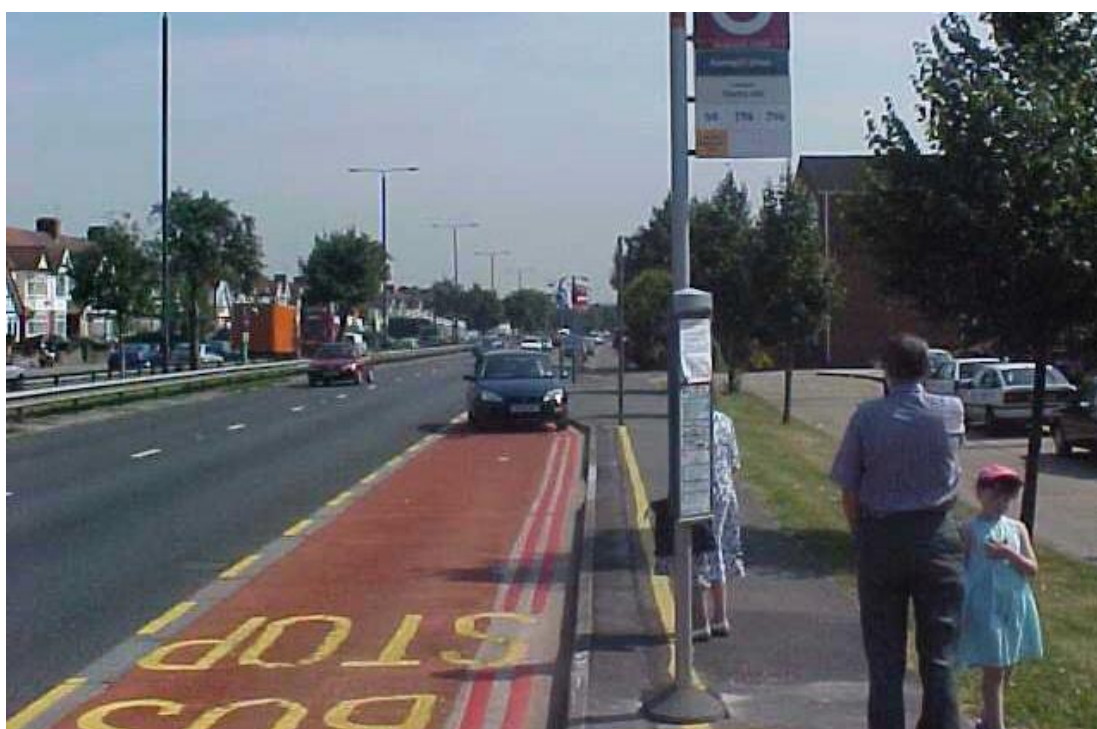


32. LAYBY (LB)

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

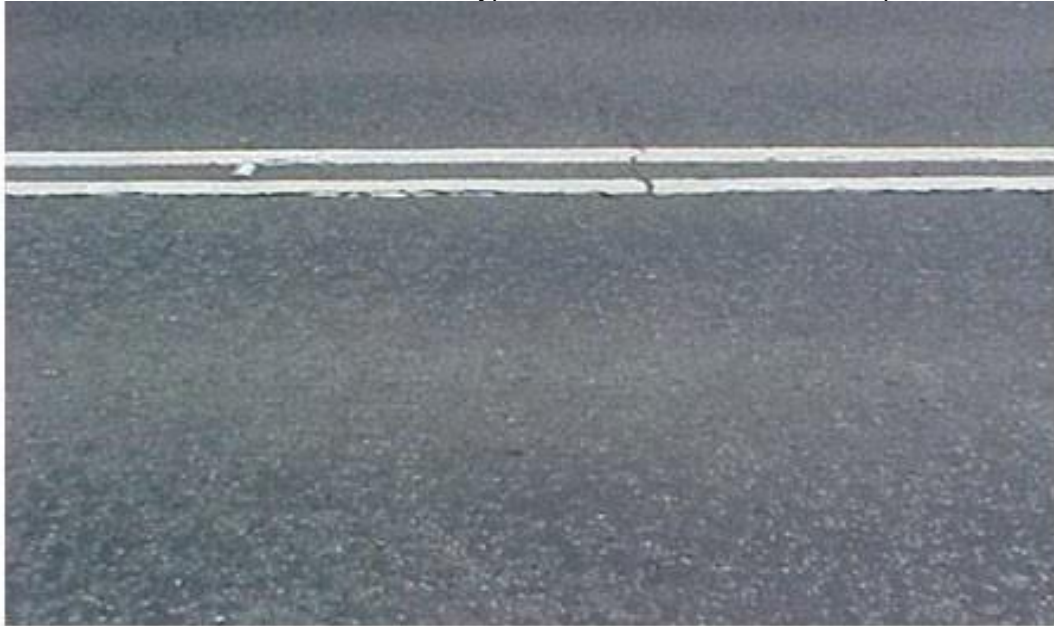


Colour: Red – Material: Thermoplastic – Pattern: Diagonal - Type of Edge Line: Prohibitory



34. LONGITUDINAL ROAD MARKINGS (LL)

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



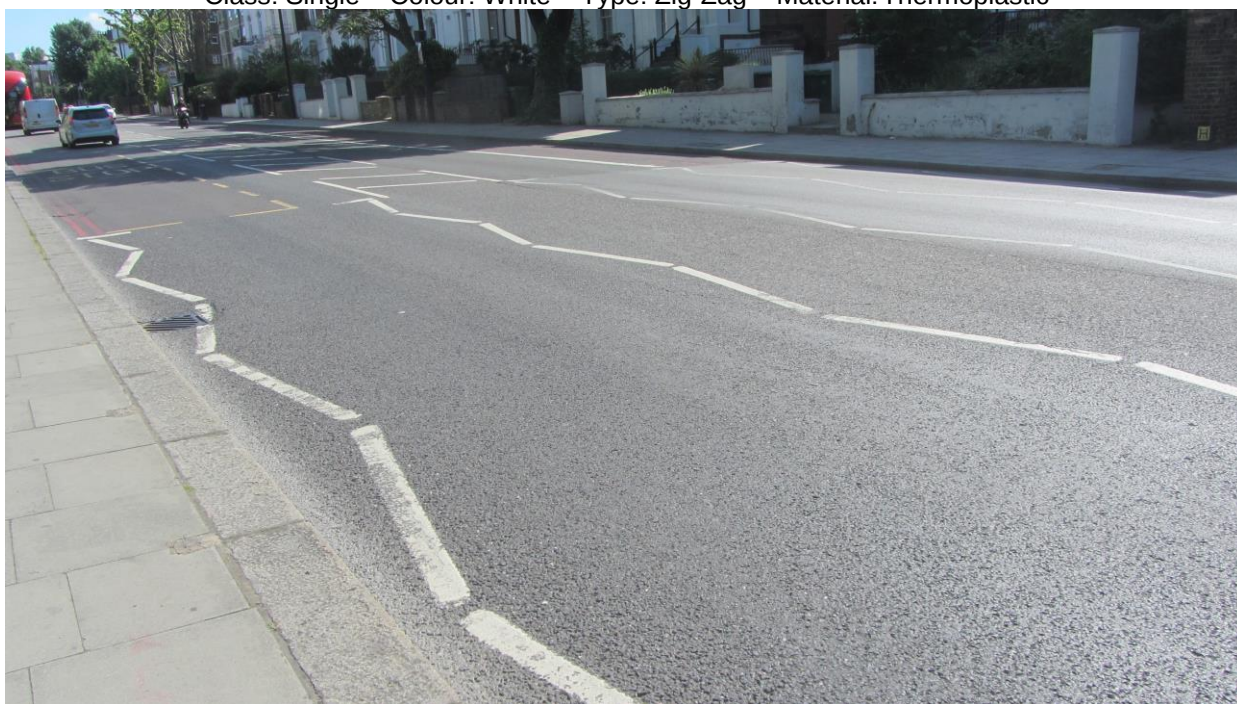
Class: Double – Colour: White – Type: Broken and Unbroken – Material: Thermoplastic



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

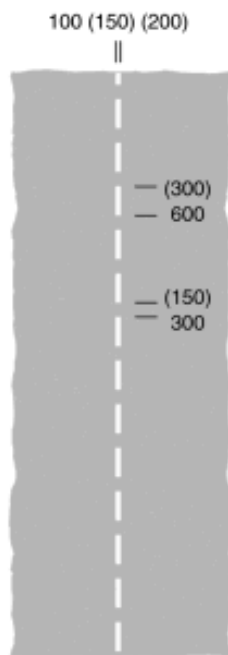


Class: Single – Colour: Red – Type: Unbroken – Material: Thermoplastic



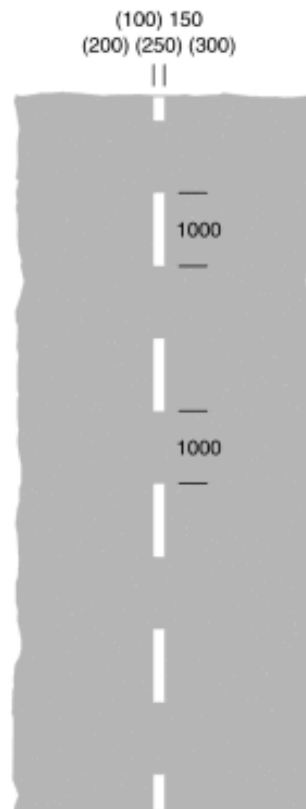
Class: Single – Colour: Yellow – Type: Unbroken – Material: Other





1009

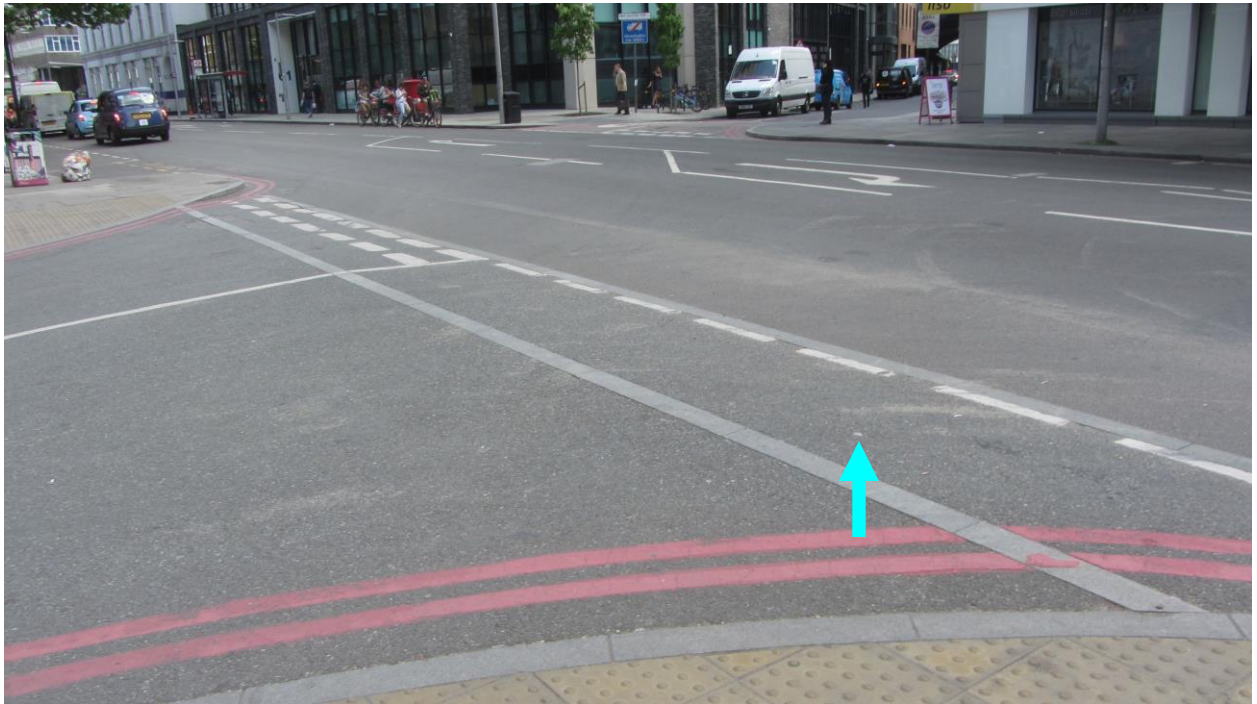
Edge of the carriageway at a road junction, exit from a private drive onto a public road, or where laid diagonally across part of the carriageway, the start of a cycle lane



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



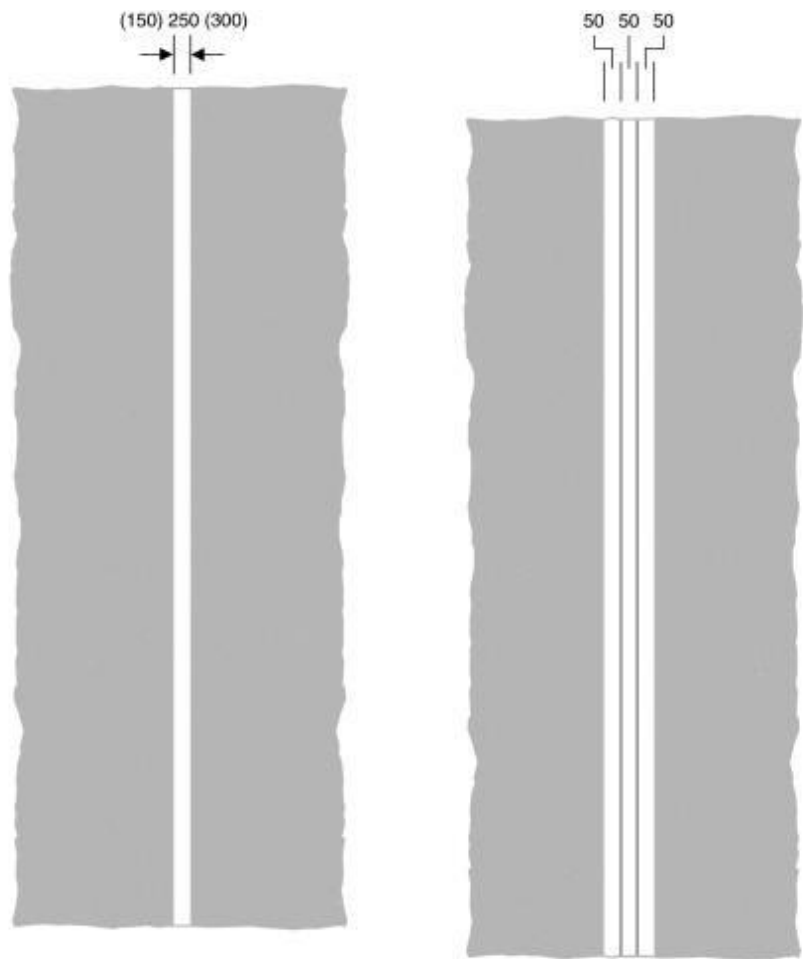
Entry across carriageway to side Road – Single / White / Broken / Thermoplastic / Length = 1 / Width = 0.1 / Gap = 1 / Diagram Number = 1010



Same as above: 1010

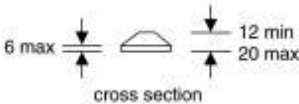


Edge of Bus Lane and Mandatory Cycle Lanes:



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



1049.1

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

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



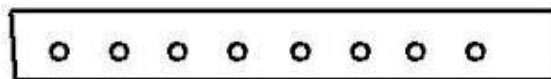
Material: Steel – Colour: Green – Type: Visirail



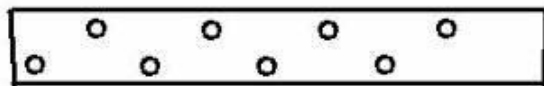
Material: Alloy – Colour: Unpainted – Type: Visirail



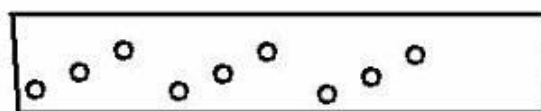
Below is a vertical and cross sectional guide to differentiating Plain and Visirail



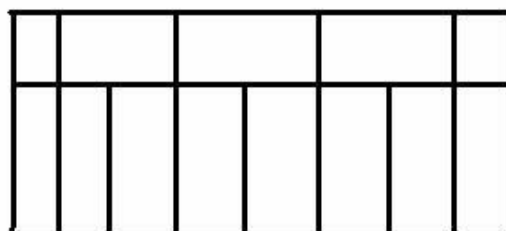
PR - Plain



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

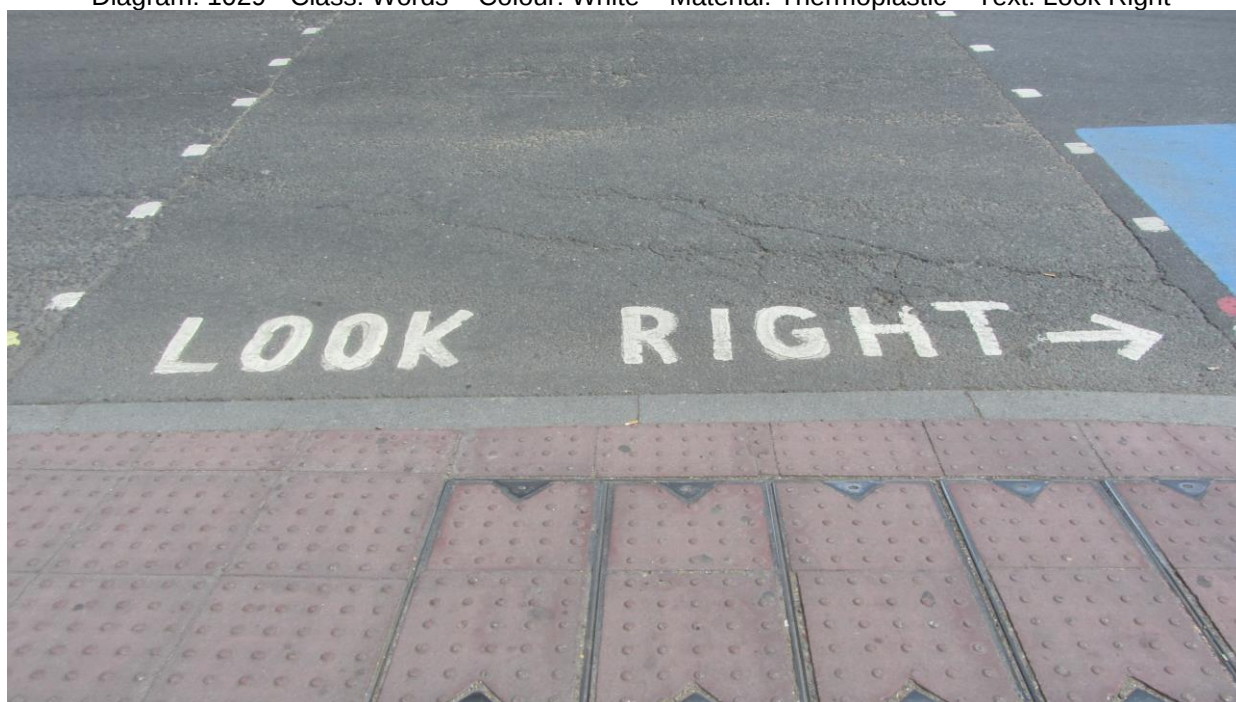


Diagram: 1025.1 - Class: Bus Cage – Colour: Yellow – Material: Thermoplastic – Text: Other - Additional
Details: Bus Stop



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'.](#)

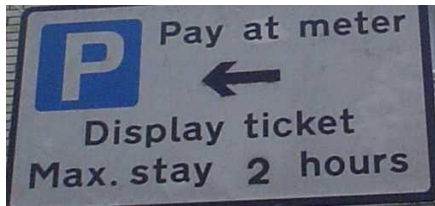


Disabled Only Bay



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



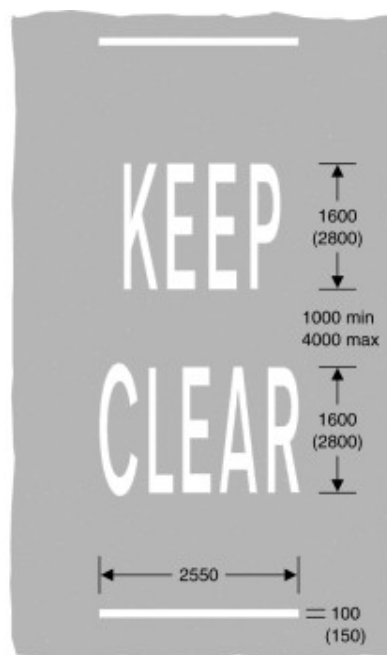
Diagram: 1069 - Class: Congestion Charging Symbol – Colour: White – Material: Thermoplastic – Text: None



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)

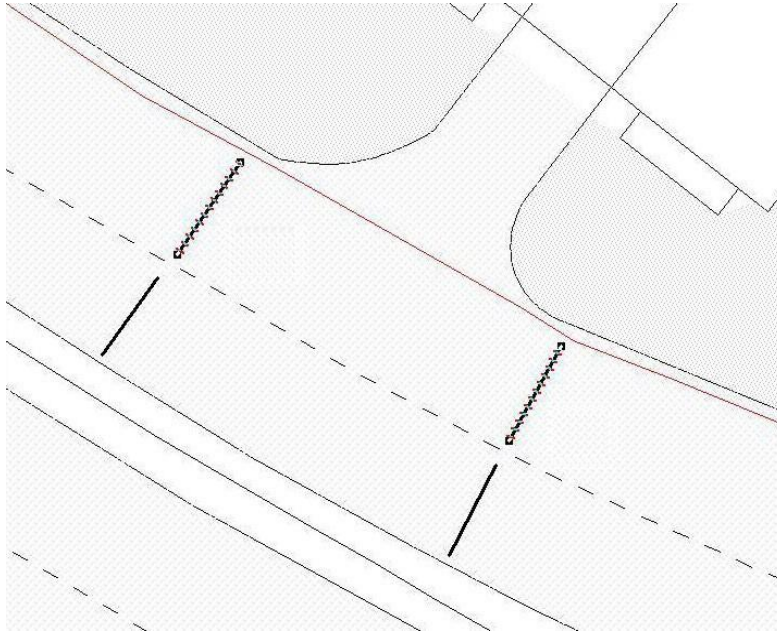


1026
Part of the carriageway which should be
kept clear of stationary vehicles

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.

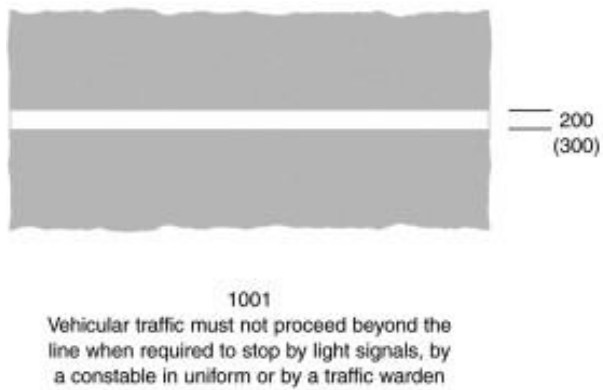


If, however, your collection software does not allow you to combine objects (see the two highlighted lines) then the assets should be collected as below:

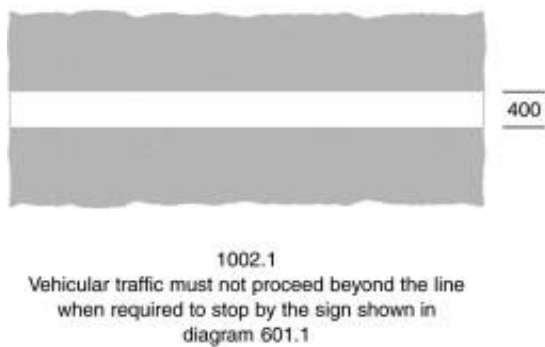


The following includes examples from the Traffic Signs Regulations & General Directions 2016:

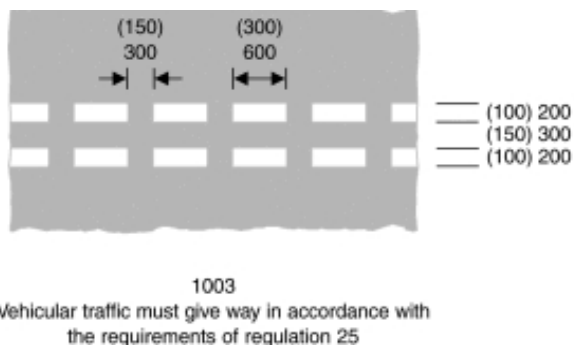
Class: Stop – Colour: White – Material: Thermoplastic – Text: None - Diagram Number: 1001



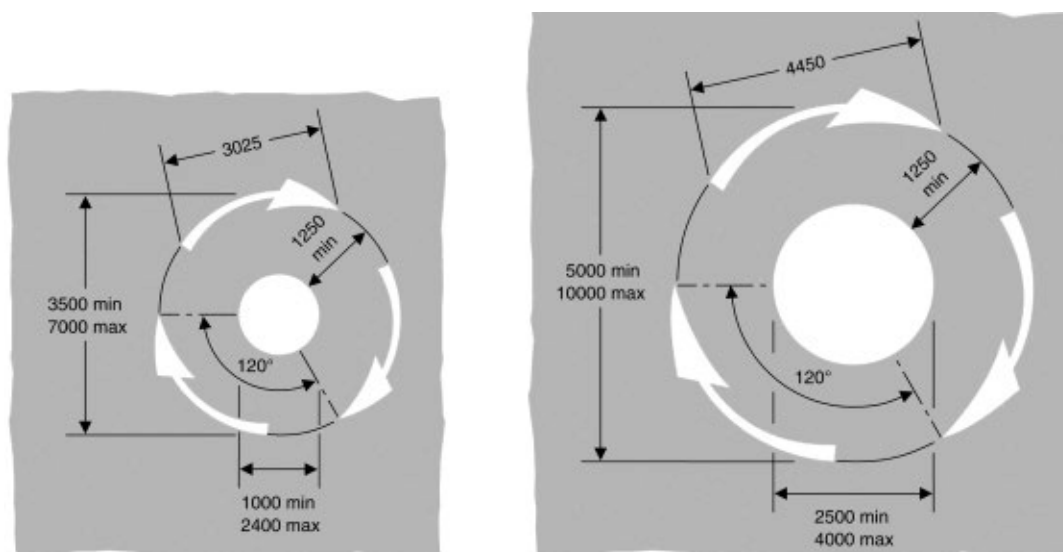
Class: Stop – Colour: White – Material: Thermoplastic – Text: None - Diagram Number: 1002.1



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



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



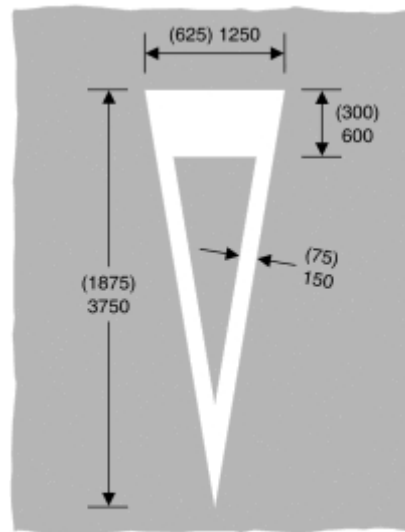
1003.4
Marking used in conjunction with the sign
shown in diagram 611.1 and conveying the
requirements prescribed by regulation 16
(Alternative lines)

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



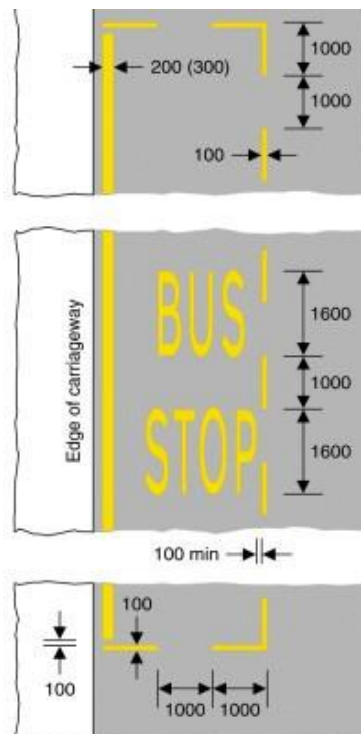
1022
Approach to a road junction or level crossing
at or near which is placed the sign shown in
diagram 601.1 and the road marking shown
in diagram 1002.1

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

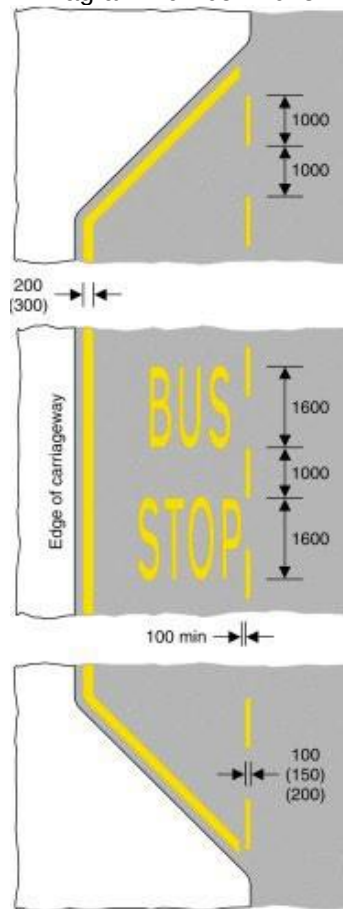


1023
Approach to a road junction, level crossing or road narrowing at or near which is placed the marking shown in diagram 1003 or 1003.3

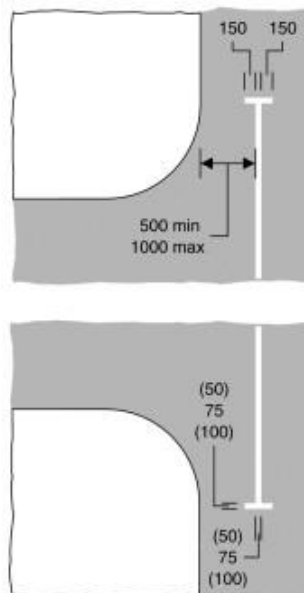
Class: Bus Bay – Colour: Yellow – Material: Thermoplastic – Text: Other – Additional Details: BUS STOP
Diagram Number: 1025.1



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



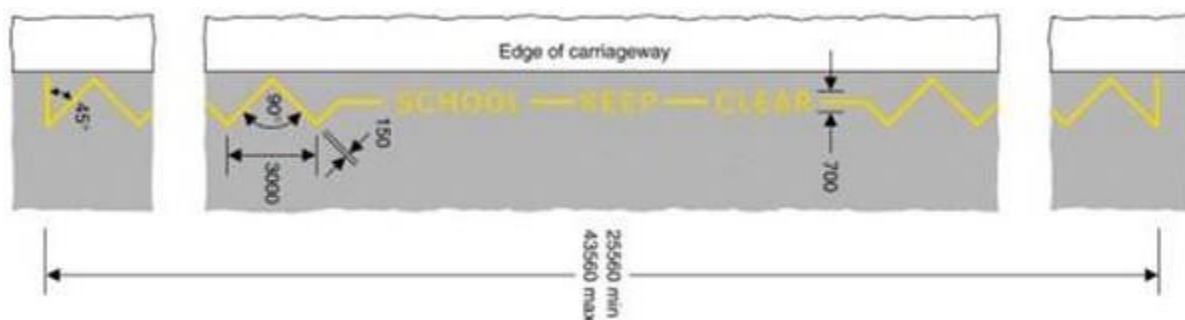
Class: Keep Clear Without Zig Zag – Colour: White – Material: Thermoplastic – Text: None – Diagram Number: 1026.1



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

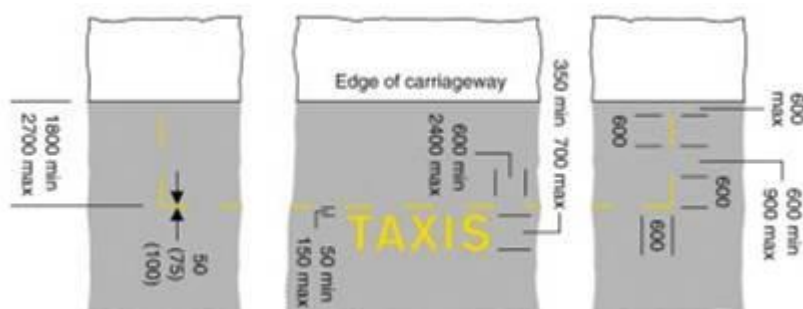


The unusual case below should be recorded as:

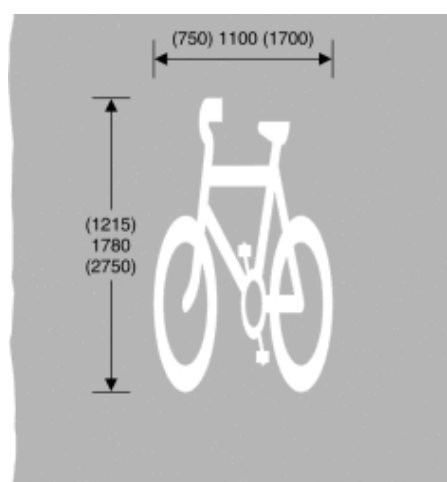
Class: Keep Clear With Zig-Zag – Text: Other – Further details: No Parking – Diagram Number: 1026.1



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

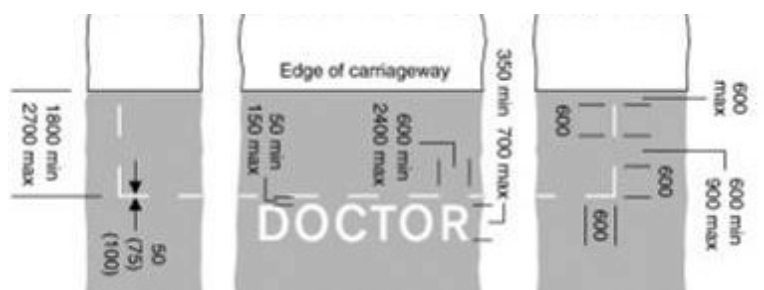


Class: Disabled Bay – Colour: White – Material: Thermoplastic – Text: None – Diagram Number: 1028.3

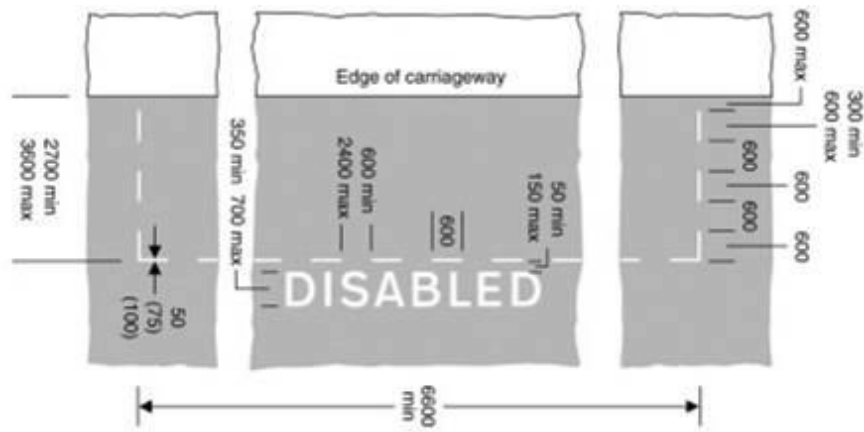


1057
Cycle lane, track or route

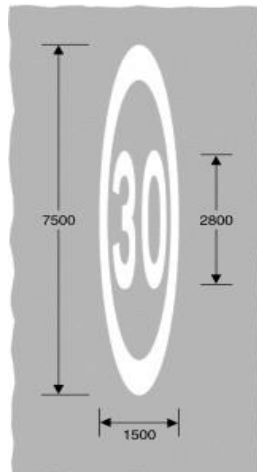
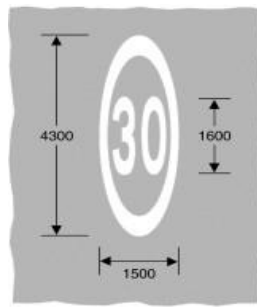
Class: Doctor Bay – Colour: White – Material: Thermoplastic – Text: Other – Additional Details: DOCTOR -
Diagram Number: 1028.4



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)

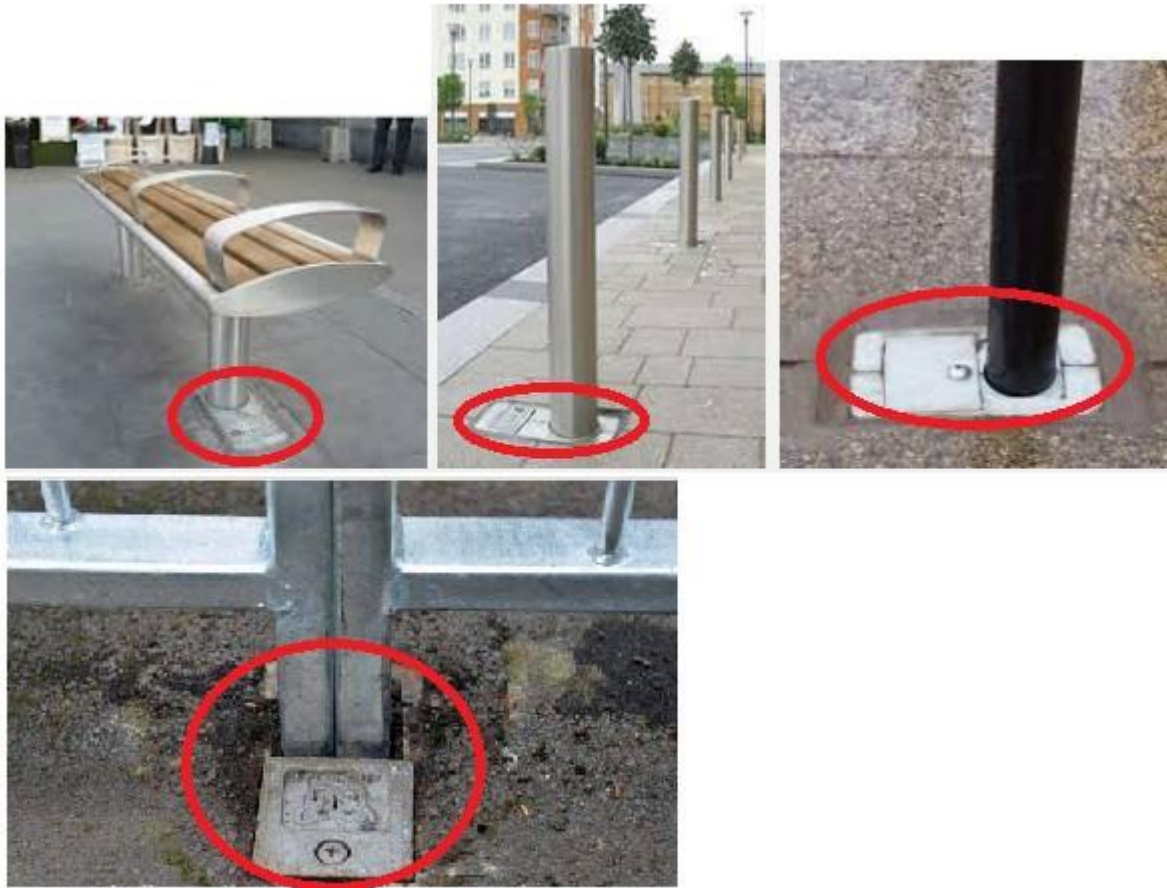
Type: Cats-eye – Class: Warning or Informatory – Colour: Other



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

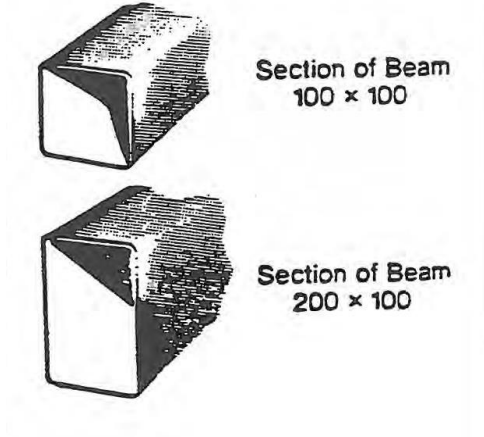


Illuminated Internally: Yes – Reflectorised: No



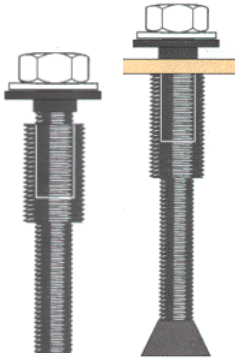
46. SAFETY FENCE (SF)

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



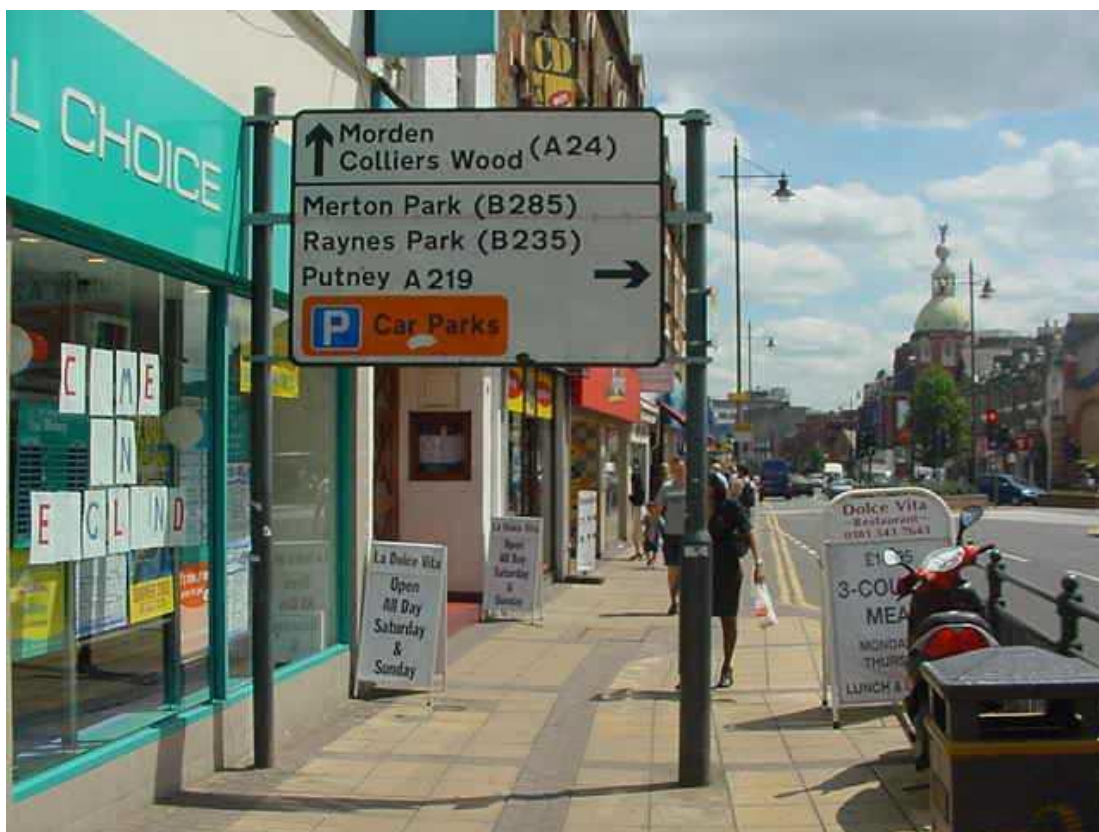
Category: Informatory Primary Route – Illuminated: Remote – Reflectorised: Yes – Mounting Method: Post



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)

