



Grade 20/20 concrete footing
(No formwork to be used)

150 X 150 X 6mm
mild steel base plate

Notes :

1. All dimensions are in millimetres.
2. All steelwork shall be Grade S275 to BS EN 10025-2, except CHS steel tube shall be medium series to BS EN 10255. All steelwork shall be hot dip galvanized to BS EN ISO 1461 : 1999.

3. Stainless steel bolts and nuts shall be Grade A2-70 to BS EN ISO 3506-1 and BS EN ISO 3506-2, spring washer shall be to BS ISO 464:1995.
4. Welds to be sound and continuous avoiding locked in slag.
5. If a post is to be formed by welding two lengths of steel tubes, the welding should be located at the upper half of the post.
6. Any welding slag shall be removed with a chipping hammer and the welds shall be vigorously wire brushed and protected by two coats of zinc rich paint to BS 4652.
7. All steelwork shall be painted to Paint System 1 as per Section 16.4 of Highways Department's Structures Design Manual for Highways and Railways. The finishing colour of the entire vertical post shall be grey to BS 5252F code 18B19, except those posts supporting traffic sign plates which indicate restricted period for loading & unloading for all vehicles (including sign plates indicating both the start and end of the no-stopping restriction zone, as well as any associated intermediate repeater signs) shall be as below:
Restricted Period:
8am-10am & 5pm-7pm Green to BS 381C No.262
7am-7pm Yellow to BS 381C No.355
7am-12pm Red to BS 381C No.537
8. Undercoat and finishing coat can be applied in-situ after erection.
9. If the construction of the footing would require diversion of utilities, the footing shape may be changed to suit, upon the Engineer's approval. Generally, larger footings are required at locations very exposed to strong wind.
10. Posts shall be manufactured to the following lengths : 3m, 3.5m, and 4m.
11. Where the concrete footing is located in block paved footpath, the footing should be lowered to allow for the paving blocks and the sand course, in which case the footing sizes in soil should be adopted.

Area of sign plate A (m ²)	Footing sizes	
	In concrete pavement	In soil
A < 0.5m ²	300 x 300 x 450 deep	300 x 300 x 500 deep
0.5m ² < A < 1m ²	400 x 400 x 450 deep	400 x 400 x 600 deep

12. The mounting height of traffic sign shall refer to TPDM Vol.3 Clause 2.2.3.1
13. The 40 solid square steel bar shall be placed freely on the mild steel base plate inside the steel tube.

REF.	REVISION	SIGNATURE	DATE
F	Detachable dome shape cap added and other general revisions	Original signed	Feb 19
E	40 solid square post added	-	May 18
D	Note 4 revised and Note 9 added	-	Oct 17
C	Note 8 added	-	Nov 99
B	Note 4 revised	-	Apr 99
A	Note 4 revised	-	Dec 98
	Former Drg. No. H2033/1A with general revision	-	June 94

SINGLE POST TRAFFIC SIGN SUPPORT (SHEET 1 OF 2)

HIGHWAYS DEPARTMENT

REFERENCE

DRAWING No.

CAD

SCALE

1 : 20

H 2147F