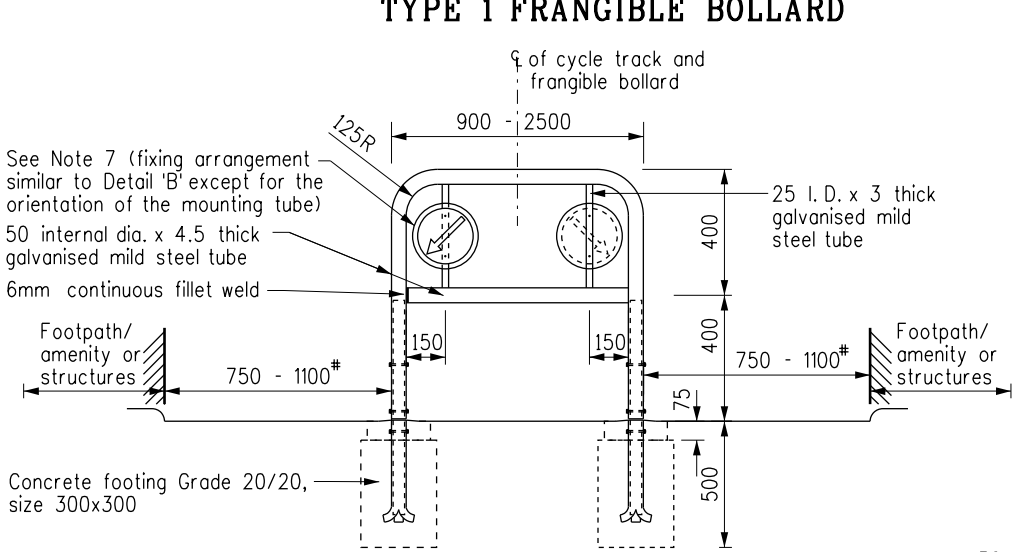
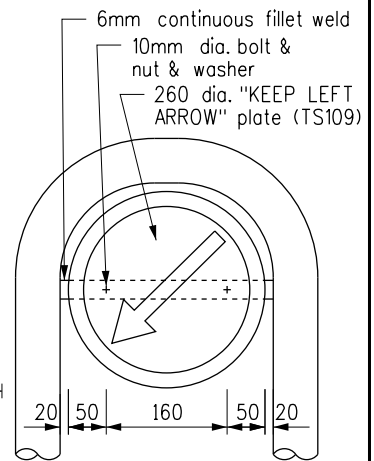


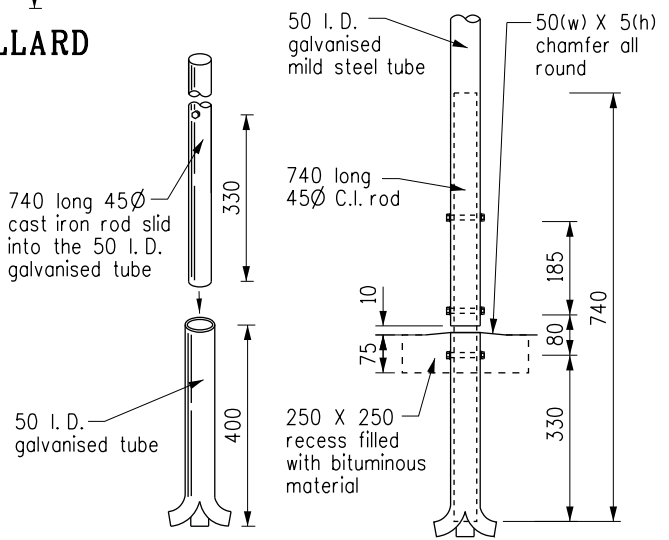
TYPE 1 FRANGIBLE BOLLARD



TYPE 2 FRANGIBLE BOLLARD



DETAIL 'B'



DETAIL 'A'

Notes:

1. All dimensions are in millimetres.
2. Steel for frangible bollard shall be in accordance with Part 3, Section 11 of the General Specification.
3. Steel components forming frangible bollard shall be hot-dip galvanised in accordance with Section 18 of the General Specification.
4. Welding for frangible bollard shall be fillet welds and shall be ground smooth before treating with two coats of zinc rich paint.
5. All bolts shall be grade 4.6 complying with Section 18 of the General Specification.
6. All galvanized steel work shall be etch primed and painted to System D as specified in Section 18 of the General Specification.
7. TS109 shown shall be made of aluminium or equivalent approved by the Engineer. Refer to Transport Department Drawing No. CT174/51-1(1) for details. The "KEEP LEFT" arrow sign could be replaced by other sign if requested by or agreed with Transport Department.
8. Colour of frangible bollard shall be white unless otherwise agreed between HyD and TD. Subject to directive of HyD, certain straight portions shall be wrapped with retroreflective sheeting to class Ref. 1 to BSEN 12899.
9. # - Width required to be agreed with TD based on actual site condition.

	Former Drg. No H2189A with Note 8 revised.	Original signed	Aug 14
REF.	REVISION	SIGNATURE	DATE

TYPE 1 AND TYPE 2 FRANGIBLE BOLLARD FOR USE ON CYCLE TRACK

HIGHWAYS DEPARTMENT		
REFERENCE	DRAWING No.	CAD
SCALE	H 2189/1	
Diagrammatic		