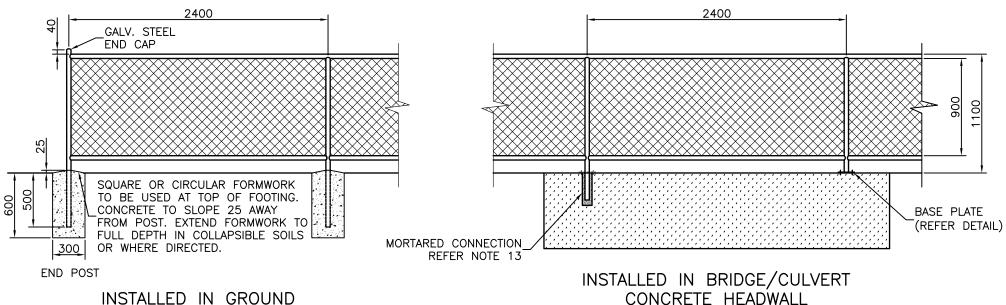


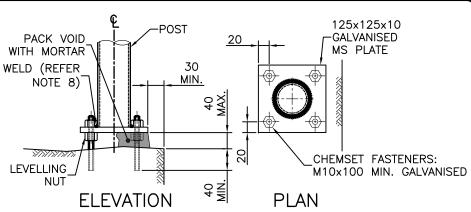
GENERAL PURPOSE GALVANISED TUBULAR HANDRAIL



GALVANISED TUBULAR HANDRAIL WITH CHAIN WIRE

SPECIAL NOTE

THE PURPOSE OF THIS STANDARD IS TO PROVIDE A BARRIER RESTRICTING ACCESS. IT IS NOT APPLICABLE FOR PROVIDING EDGE PROTECTION WHERE THERE IS RISK OF INJURY FROM A FALL GREATER THAN 1m. THIS INCLUDES LOCATIONS SUCH AS CULVERTS, BRIDGE CROSSINGS AND LARGE RETAINING WALLS.



BASE PLATE DETAIL

NOTES:

- . THIS STANDARD IS NOT FOR USE IN A MARINE ENVIRONMENT. THE MARINE ENVIRONMENT COULD EXTEND UP TO 1 km FROM THE FORESHORE.
- 2. WHERE STANDARD IS REQUIRED FOR USE WITH MARINE ENVIRONMENT, THE FOLLOWING PROTECTION TREATMENT IS REQUIRED:
 - STEELWORK HOT DIP GALVANISING: 85 MICRONS (600g/m²) MIN;
 - SWEEP ABRASIVE BLAST;
 - STEELWORK FIRST COAT: EPOXY PRIMER 75 MICRONS MIN;
- STEELWORK SECOND COAT: TWO PACK ACRYLIC OR POLYURETHANE GLOSS 75 MICRONS MIN;
- WIRE MESH AND WIRE TIES TO BE PVC COATED.
- 3. PAINT SYSTEMS TO BE IN ACCORDANCE WITH AS 2312 AND DESIGNATED HDG600P6 AND HDG600P
- 4. GATE AND END POSTS TO BE 50 NB (60.3 OD, 3.6 THICK) GALVANISED STEEL TUBE TO AS/NZS1163.
- 5. INTERMEDIATE POSTS TO BE 40 NB (48.3 OD, 3.2 THICK) GALVANISED STEEL TUBE TO AS/NZS1163.
- 6. RAILS TO BE 40 NB (48.3 OD, 3.2 THICK) GALVANISED STEEL TUBE TO AS/NZS1163.
- 7. STANDARD COUPLINGS (DOWN-EE FITTINGS, MONOWILLS, SENTAUR JOINTS, KEE-KLAMP, SWAGED JOINTS OR SIMILAR) MAY BE USED AS AN ALTERNATIVE TO WELDS.
- 8. ALL WELDS TO BE 5 THICK C.F.W. (CONTINUOUS FILLET WELDS) TO AS 1554.1 WITH COLD GALVANISING TREATMENT TO COMPLETED WELDS, EXCEPT FOR POST/BASE PLATE WHICH SHALL BE HOT—DIP GALVANISED.
- 9. CHAIN WIRE TO BE 900 HIGH x 3.15 THICK x 50 MESH TO AS 2423.
- 10. CHAIN WIRE TO BE FIXED USING 1.6 THICK WIRE, TIED TO POSTS AT 2 LOCATIONS AND CONTINUOUSLY LACED TO RAILS.
- 11. POSTS TO BE VERTICAL.
- 12. ALL CONCRETE TO BE GRADE N25.
- 13. POSTS, INSTALLED IN EXISTING BRIDGE/CULVERT CONCRETE HEADWALL, TO BE GROUTED INTO 90 DIAMETER HOLE WITH 1:3 CEMENT MORTAR BY VOLUME AFTER THEY HAVE BEEN CAREFULLY ALIGNED.
- 14. GALVANISED TUBULAR HANDRAILS TO BE USED ONLY IN SITUATIONS CLEAR OF LONGITUDINAL VEHICLE IMPACT SO AS NOT TO BE A POTENTIAL SPEARING HAZARD TO MOTORISTS.
- 15. GALVANISED TUBULAR HANDRAILS WITH CHAIN WIRE ARE GENERALLY USED ON BRIDGE APPROACHES AND ON RETAINING WALLS.
- 16. THESE FENCES ARE INTENDED AS A PEDESTRIAN BARRIER AND ARE NOT TO BE USED IN SITUATIONS WHERE MOTOR VEHICLES REQUIRE RESTRAINT.
- 17. STEEL WORK MAY BE POWDER COATED TO AS 4506 TO MATCH COLOUR COORDINATION IN THE AREA (IN ACCORDANCE WITH BCC CORPORATE COLOUR PALETTE REFER UMS 113).
- 18. HOT DIP GALVANISING: FERROUS OPEN SECTIONS TO AS 4791, FERROUS HOLLOW SECTIONS TO AS 4792.
- 19. DIMENSIONS IN MILLIMETRES (UNO).

F	Note 2 Amended	DJL 07/12	IC 08/12	IC 08/12
	General Purpose Galv. Tubular Handrail Height Clarified, Note 7 Mod.		IC 06/10	PC 06/10
A-D	Refer Previous Revisions		05/01-08/07	06/01-08/07
ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE

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DESIGN AUTHORISED FOR ISSUE B. BALL SIGNATURE ON ORIGINAL	DESIGN	STD DWG GROUP	DATE	April '01
DATED 29/6/01	DRAWN	CITY DESIGN	DATE	April '01
MANAGER ASSET SUPPORT - R.P.E.Q: 3 8 5 2 DESIGN APPROVED	CHECKED	M. STEER	DATE	May '01
B. HANSEN SIGNATURE ON ORIGINAL DATED 27/6/01	DRAWING FILENAME	\UMS 241		
PRINCIPAL ASSET OFFICER ROADS & DRAINAGE	ASSOCIATED PLANS	SUPERSEDES WS 14-1		

(REFER SPECIAL NOTE)

(REFER SPECIAL NOTE)



BRISBANE CITY COUNCIL STANDARD DRAWING

GALVANISED TUBULAR HANDRAIL

<u> </u>						
SCALE	NOT TO SCALE					
	NOT TO SCALL					
DWG No.	DWG No.					
	LIMC OA4					
	UMS 241					
ORIGINAL SIZE		REVISION				
	A ¬					
	ΑЗ					