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# SECURITY FENCING AND SIGNAGE STANDARD DRAWINGS

## CHAIN WIRE SECURITY FENCING NOTES

NOTES:

1. FENCE CONSTRUCTION SHALL COMPLY WITH REQUIREMENTS OF AS 1725.1 AND AS 2423. THIS FENCE IS NOT DESIGNED AS A STRUCTURE AS DEFINED IN AS 4100. THEREFORE, THE DESIGN ASSUMES THAT IT WILL NOT BE SUBJECT TO HIGH WIND LOADS AND IS NOT REQUIRED FOR CROWD CONTROL OR AS A SAFETY BARRIER.
2. THE FOLLOWING PROCESS SHALL BE FOLLOWED FOR PROTECTION TREATMENT:

A. ALL STEELWORK SHALL BE HOT DIP GALVANISED. HOT DIP GALVANISING: FERROUS OPEN SECTIONS TO AS 4791, FERROUS HOLLOW SECTIONS TO AS4792.

B. ALL FERROUS HOLLOW SECTIONS SHALL BE HOT DIP GALVANISED AFTER FABRICATION TO 60 MICRONS MINIMUM.

C. ALL SHARP EDGES OF THE STEELWORK MUST BE GROUND OFF TO A MINIMUM OF 2MM RADIUS.

D. WHIP BLAST ALL EXPOSED SURFACES.

E. WIRE MESH SHALL BE PVC COATED.

F. NO WELDING OR PAINTING SHALL BE CARRIED OUT AT SITE.

G. NO DENTED OR PAINT DAMAGED FENCING MATERIAL SHALL BE ACCEPTED FOR CONSTRUCTION.

H. ALL GALVANISED STEELWORK SHALL BE FIRST COATED WITH EPOXY PRIMER 75 MICRONS MINIMUM EG. DULUX® DURABUILD® STE AND SECOND COAT - TWO- PACK POLYURETHANE GLOSS 75 MICRONS MINIMUM.
3. PAINT SYSTEMS SHALL BE IN ACCORDANCE WITH AS 2312 REQUIREMENTS AND DESIGNATED HDG600P6.
4. FENCE COLOURS SHALL CONFORM TO QUEENSLAND URBAN UTILITIES COLOUR PALETTE HERITAGE GREEN.
5. GATE POSTS SHALL BE DN80 (88.9 OD, 4.0 THICK) GALVANISED STEEL TUBE TO AS 1163.
6. CORNER, END AND EVERY EIGHTH POST SHALL BE DN50 (60.3 OD, 3.6 THICK) GALVANISED STEEL TUBE TO AS 1163.
7. INTERMEDIATE POSTS SHALL BE DN40 (48.3 OD, 3.2 THICK) GALVANISED STEEL TUBE TO AS 1163.
8. BRACING STAYS SHALL BE DN32 (42.4 OD, 3.2 THICK) GALVANISED STEEL TUBE TO AS 1163.
9. WIRE TIES SHALL BE 316 GRADE STAINLESS STEEL.
10. ALL CONCRETE SHALL BE GRADE N25.
11. ALL WELDS SHALL BE 5 MM THICK CFW (CONTINUOUS FILLET WELD) TO AS1554.1 WITH COLD GALVANISING TREATMENT TO COMPLETED WELDS. ELECTRODE TO AS 1554 CLASSIFICATION E48XX.
12. GALVANISED STEEL END CAPS SHALL BE PROVIDED TO ALL POSTS.
13. CORNER POSTS SHALL BE ADOPTED WHERE THE CHANGE IN ANGLE IN HORIZONTAL ALIGNMENT EXCEEDS 20 DEGREES.
14. 1800 HEIGHT CHAIN WIRE SHALL BE 3.15MM CORE GALVANISED WIRE WITH EXTRUDED PVC 3.95 COATED DIAMETER X 50MM NOMINAL PITCH KB (KNUCKLED BARBED) FABRIC TO AS 2423. BARBED WIRE TO AS 2423.
15. STAYS SHALL BE PROVIDED AT END POSTS, GATE POSTS, CORNER POSTS AND EVERY EIGHTH POST.
16. ALL POSTS SHALL BE VERTICAL. ALL POSTS OTHER THAN GATE POSTS SHALL HAVE TOP EXTENSION CRANKED OUTWARDS FROM SECURED AREA AT 45°.
17. CABLES SHALL BE FORMED FROM TWO 3.15MM DIAMETER GALVANISED AND PVC COATED WIRES TWISTED TOGETHER.
18. CHAIN WIRE SHALL BE FIXED USING 1.6 WIRE TIES AS FOLLOWS:

- INTERMEDIATE POSTS AT 3 LOCATIONS;

- END POSTS AT 3 LOCATIONS;

- HORIZONTAL CABLE AT 375 CENTRES TO TOP CABLE;

- HORIZONTAL CABLE AT 600 CENTRES TO MIDDLE CABLE;

- HORIZONTAL CABLE AT 450 CENTRES TO BOTTOM CABLE.
19. DIMENSIONS IN MILLIMETRES (UNO).
20. VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORKS.

ENVIRONMENTAL NOTES:

1. NO TREES SHALL BE REMOVED WITHOUT PRIOR APPROVAL FROM QUEENSLAND URBAN UTILITIES.
2. ALL TREES WITHIN THE BOUNDARY OF WORKS SHALL BE PROTECTED WITH TREE GUARDS COMPLYING WITH AS 4970 "TREE PROTECTION GUIDELINES".
3. WHERE APPLICABLE, IN ORDER TO COMPLY WITH THE SELF-ASSESSABLE CODE FOR REMOVAL OF EXISTING MARINE PLANTS, THE CONTRACTOR SHALL NOTIFY FISHERIES QUEENSLAND AT LEAST 5 DAYS PRIOR TO COMMENCEMENT AND 15 DAYS AFTER COMPLETION OF WORKS.

PERMIT TO WORK

- P1. A "PERMIT TO WORK" MUST BE OBTAINED FROM THE RELEVANT QUU CONTROL ROOM PRIOR TO COMMENCEMENT OF WORK ON SITE. A MINIMUM PERIOD OF TEN WORKING DAYS IS REQUIRED FOR THE ISSUING OF A PERMIT.
- P2. CONTROL ROOM EAST (BRISBANE LG AREA) PH. 3856 7179 EMAIL: PTWOE@URBANUTILITIES.COM.AU
- P3. CONTROL ROOM WEST (IPSWICH, SOMERSET, LOCKYER, SCENIC RIM LG AREAS) PH. 3432 2100 EMAIL: CONTROLROOMWEST@URBANUTILITIES.COM.AU



SIGN TYPE 'A '  
NOT TO SCALE

NOTE:

SIGN TYPE 'A' SHALL BE 600 MM x 450 MM COLORBOND™ METAL SHEET WITH 4 COLOURS ON WHITE BACKGROUND, CORNER HOLES (5mm) & ROUNDED CORNERS (15mm RADIUS).

SIGN SHALL BE PLACED MID-HEIGHT ON SECURITY FENCE AT 50M INTERVALS ALONG ENTIRE PERIMETER OF EXISTING AND NEW FENCE TIED TO FENCE WIRE MESH AT ALL 4 CORNERS.

						FUNDING		DRAFTED	M.MOORE/J. STERGOU	ORIGINAL SIGNED L.HETTIARACHCHI/ 08939	05.09.13	ORIGINAL SIGNED K.VAHEESAN	06.09.13	ASSET/PROJECT SECURITY FENCING AND SIGNAGE STANDARD DRAWINGS	DRAWING TITLE CHAIN WIRE SECURITY FENCING AND SIGNAGE NOTES	SHEET No. 1 OF 3		
						DESIGN W.O. No.		DRAFTING CHECK	R.ADAMSON / M.L.	DESIGN	R.P.E.Q. No.	DATE	MANAGER ENGINEERING SERVICES			DATE	QUEENSLAND URBAN UTILITIES DRAWING No.	
						CONSTRUCTION W.O. No.		CAD FILE	125004001.dwg	ORIGINAL SIGNED F.SCHEELE	2900	05.09.13					AMEND.	
No	DATE	AMENDMENT			DRAFTED	APPROVED	FUNDED BY Q.U.U. (✓)	EXTERNAL ( )	Q.U.U. FILE No.	DESIGN CHECK	R.P.E.Q. No.	DATE	FIELD SERVICES DELEGATE	DATE	486/1/25-0004-001			
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