

**CORNER POST ASSEMBLY
END POST SIMILAR**

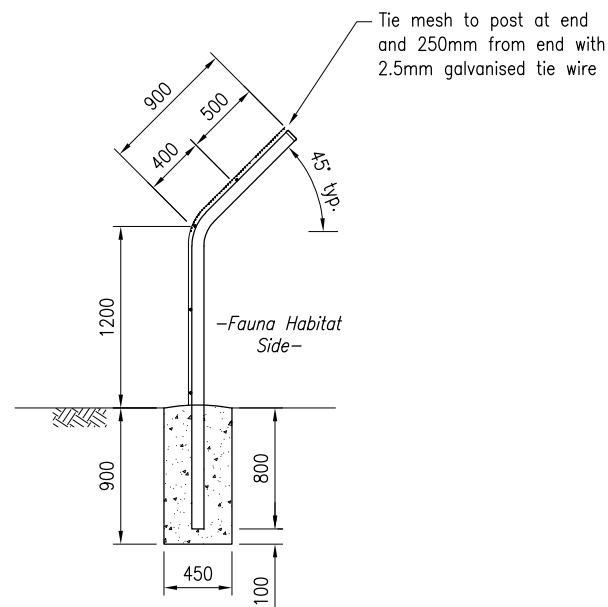
Viewed from fauna habitat side

**FAUNA EXCLUSION FENCE
TYPICAL ARRANGEMENT**

Viewed from fauna habitat side

**TYPICAL INTERMEDIATE
STRAINER POST ASSEMBLY**

Viewed from fauna habitat side

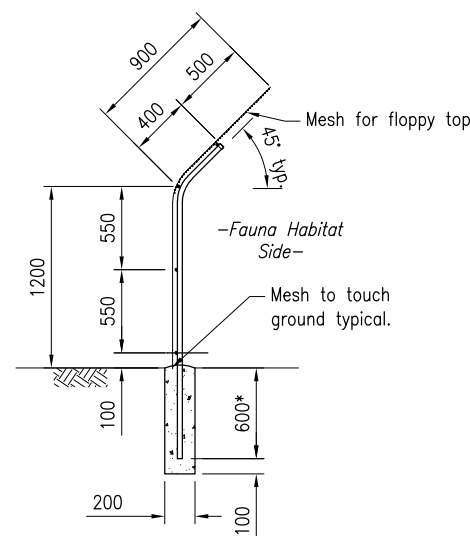


**CORNER, END AND STRAINER POSTS
GANGLE CHANGE \geq 30 DEGREES OF
HORIZONTAL ALIGNMENT**

Posts
42.4 x 4 CHS
Grade C250L0 galvanized

**CORNER, END AND STRAINER POSTS
ANGLE CHANGE $<$ 30 DEGREES OF
HORIZONTAL ALIGNMENT**

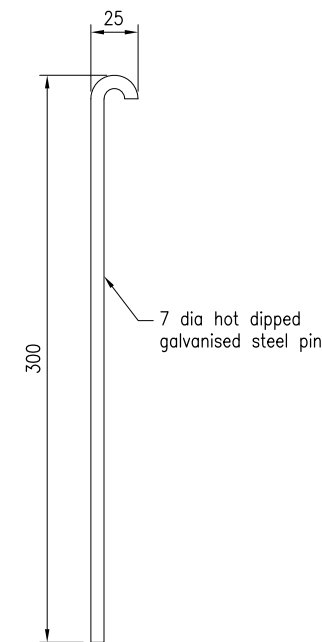
Posts 60.3 x 4.5 CHS
Grade C250L0 galvanized



INTERMEDIATE POSTS

Post
42.4 x 4.0 CHS
Grade C250L0 galvanized

*Increase footing depth to 900mm
where ground RL varies by 800mm
or more over 4m



For loose or sandy soils
350 (min) galvanized fastening pins
must be used

FASTENING PIN DETAIL

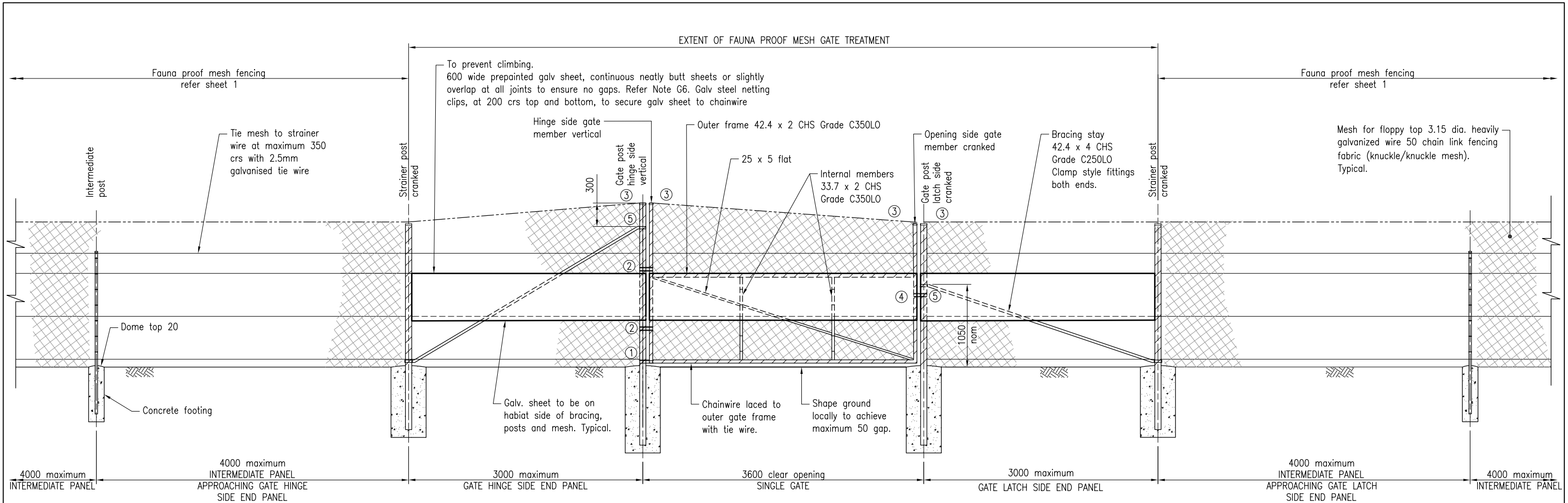
NOTES:

- SCOPE: This Standard Drawing provides details of floppy top fauna proof mesh fencing for TMR projects, and shall be constructed in accordance with MRTS14. FENCE SELECTION. A suitable selection for fauna fence shall take in to consideration roadside safety, the environment, the proximity to public areas and aesthetic appearance based on proposed location.
- FENCE INSTALLATION REQUIREMENTS: Connection to bridges shall be as detailed in the bridge drawings. Connection to other structures: Ensure any gaps between fencing and adjacent structures are restricted to maximum 50, and without introducing any hazards for others. Permission of the structure owner shall be sought by the project designer.
- FENCE AT CULVERTS: Treatment of fencing around culverts shall be similar as detailed on standard drawing 1603.
- CONCRETE shall be in accordance with MRTS70. Concrete strength N25/20.
- POSTS shall be fitted with galvanized weather caps.
- STEELWORK shall be fabricated to the requirements of MRTS78. CHS shall be Grade C250L0 or Grade C350L0 to AS/NZS 1163 as shown on the drawings. Flat bar shall be Grade 300 to AS/NZS 3679.1. Bolts Class 8.8, nuts Class 8 and washers for Class 8.8 bolts to AS/NZS 1252. All nuts shall be snug tight in accordance with AS 4100. Galvanized fencing wire, tie/lacing wire and galvanized chainwire shall conform to AS 2423. All bolts and nuts shall be hot dip galvanized to AS 1214. All other steelwork shall be hot dip galvanized to AS/NZS 4680.
- All DIMENSIONS are in millimetres unless shown otherwise.

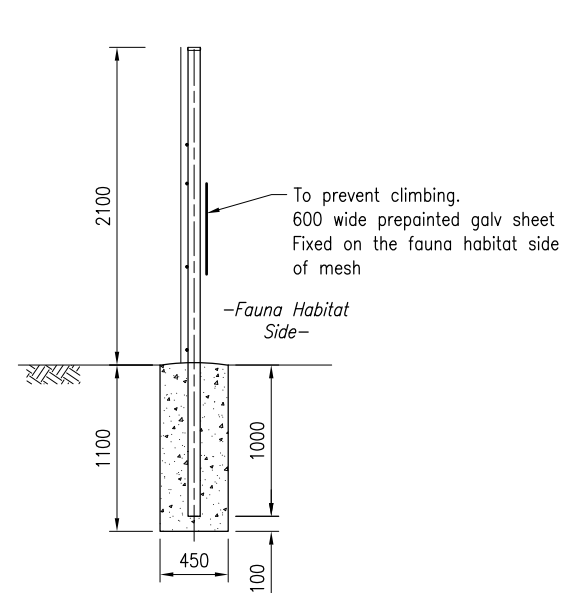
ASSOCIATED DEPARTMENTAL DOCUMENTS:

- Standard Drawings Specifications
- Departmental Specifications
 - MRTS14 Road Furniture
 - MRTS70 Concrete
 - MRTS78 Fabrication of Structural Steelwork

Department of Transport and Main Roads			
FAUNA EXCLUSION FENCING			
FLOPPY TOP MESH FENCE AND GATE		A3	Standard Drawing No
DRAWING 1 of 2		Not to Scale	1615
		A	Date 7/2021

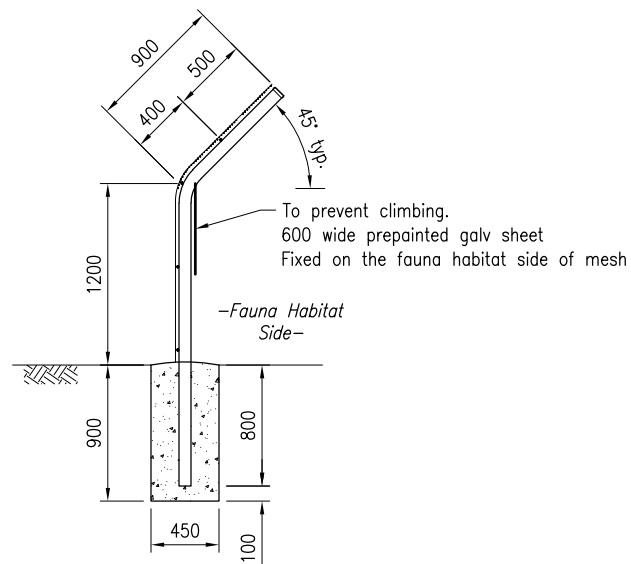


FAUNA PROOF MESH GATE TREATMENT
Viewed from fauna habitat side



GATE END POST HINGED SIDE VERTICAL

Posts
88.9 x 5.0 CHS
Grade C250LO galvanised



GATE END POST LATCH SIDE CRANKED

Posts
88.9 x 5.0 CHS
Grade C250LO galvanised

GATE, HINGE AND LATCH DETAILS

Label	Component	Size	Comment
1	Adjustable hinge pin	88.9/42.4	
2	Clamp style hinge	88.9/42.4	
3	Tie wire	2.5mm	Tie mesh to post at end and 250mm from end with 2.5mm galvanized tie wire
4	Chain latch	5mm	Chain latch 5mm bolted to gate post
5	Clamp style fitting	88.9/42.4	



GATE NOTES:

- G1. SCOPE: This Standard Drawing Sheet 2 of 2 provides details of the gate treatment for floppy top fauna proof mesh fencing for TMR projects, and shall be constructed in accordance with MRTS14.
- G2. Gaps at adjacent structures shall be minimised. max gap 25mm u.n.o.
- G3. CONCRETE shall be in accordance with MRTS70. Concrete strength N25/20.
- G4. Provide galvanized weather caps on all posts.
- G5. PREFINISHED/ PREPAINTED GALVANIZED STEEL SHEET shall be 0.4mm BMT to AS 2728. Sheet shall be coloured on both sides as nominated in the project specific documentation, the nominated colour shall face the road.
- G6. STEELWORK shall be fabricated to the requirements of MRTS78. CHS shall be Grade C250LO or Grade C350LO to AS/NZS 1163 as shown on the drawings. Flat bar shall be Grade 300 to AS/NZS 3679.1. Bolts Class 8.8, nuts Class 8 and washers for Class 8.8 bolts to AS/NZS 1252. All nuts shall be snug tight in accordance with AS 4100. Galvanized fencing wire, tie/lacing wire and galvanized chainwire shall conform to AS 2423. All bolts and nuts shall be hot dip galvanised to AS 1214. All other steelwork shall be hot dip galvanized to AS/NZS 4680. Prior to galvanizing all weld splatter and welding slag shall be removed.
- G7. WELDING shall be to AS/NZS 1554.1. All welds except location tack welds shall be SP category. Welding consumables shall be controlled hydrogen type G493 to AS/NZS ISO 14341-B or T493 to AS/NZS ISO 17632-B.
- G8. DIMENSIONS are in millimetres unless shown otherwise.

ASSOCIATED DEPARTMENTAL DOCUMENTS:

Standard Drawings
Specifications

Departmental Specifications
MRTS14 Road Furniture
MRTS70 Concrete
MRTS78 Fabrication of Structural Steelwork

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FAUNA EXCLUSION FENCING			
FLOPPY TOP MESH FENCE AND GATE		A3	Standard Drawing No
DRAWING 2 of 2		Not to Scale	1615
		A	Date 7/2021