NOTES

1. DRILLING OF POSTS SHALL BE TO SUIT SPACING OF WIRES FOR EACH FENCE TYPE.
   (I) PRESTRESSED CONCRETE POSTS - (PRS / PRI)
   (II) GALVANIZED STEEL POSTS - (GSS / GSI)
   (III) PRESTRESSED CONCRETE POSTS - (PRS / PRI)
   (IV) STAR PICKET POSTS - (SP)
   (V) SOFTWOOD POSTS - (TTS / TTI)
   (VI) HARDWOOD POSTS - (HTS / HTI)

2. FOR DETAILS OF PANEL AND FENCE TYPES SEE R0304, R0306

3. FENCES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATION R201.

4. STAINERS POSTS MUST BE USED AT -
   (I) ENDS OF FENCING
   (II) ANGLES IN FENCING
   (III) JUNCtIONS WITH OTHER FENCING
   (IV) INTERSECTIONS WITH OTHER FENCING
   (V) INTERMEDIATE POSTS ALONG A STRAIGHT FENCE LINE WHICH MUST NOT EXCEED 120 m (40 ft) FOR RETENTION OF CATTLES.

5. STAINERS POST MUST BE BRACED AGAINST AN INTERMEDIATE POST IN 2 DIRECTIONS FOR ALL CASES, EXCEPT FOR ENDS OF FENCES AND GATES WHERE ONLY 1 DIRECTION IS SUITABLE.

6. FOR METHOD OF ERECTING POSTS IN EARTH OR ROCK SEE SPECIFICATION R201.

7. BRACES ARE TO BE CUT TO SUIT BY CONTRACTOR.

8. ANY CUT STEEL SURFACES SHALL BE PAINTED WITH AN APPROVED ZINC RICH PRIMER PRIOR TO THEIR INSTALLATION AND A GALVANIZE STEEL CAP FITTED TO THE TOP OF EACH TUBULAR POST.

9. DIMENSIONS SHOWN BELOW GROUND ARE MINIMUM DEPTHS.

10. DEPTHS SHOWN FOR ROCK FOOTINGS FOR CONCRETE, TREATED TIMBER OR STEEL POSTS WILL ONLY BE PERMITTED IN CASES WHERE THESE POSTS ARE MANUFACTURED AND SUPPLIED TO THE CORRECT HEIGHT, OTHERWise THE DEPTH OF SINKING MUST BE THE SAME AS FOR EARTH.

11. HARDWOOD INTERMEDIATE POSTS SHALL BE 150 X 100.

12. SPLIT HARDWOOD INTERMEDIATE POSTS SHALL BE FOUR SIDED WITH SAWN HARDWOOD INTERMEDIATE POSTS SHALL BE 150 X 100.

13. CYPRUS PINE POSTS SHALL BE ROUND AND HAVE A MINIMUM OUTSIDE DIMENSION LESS THAN 65 mm.

14. NO AVERAGE CROSS SECTIONAL DIMENSIONS LESS THAN 100 mm AND NO OUTSIDE DIMENSION LESS THAN 100 mm.

15. FOR SPLIT HARDWOOD INTERMEDIATE POSTS REFER TO NOTE 12.

16. TYPICAL POST TERMINOLOGY:
   (I) PRESTRESSED CONCRETE POSTS - (PRS / PRI)
   (II) GALVANIZED STEEL POSTS - (GSS / GSI)
   (III) PRESTRESSED CONCRETE POSTS - (PRS / PRI)
   (IV) STAR PICKET POSTS - (SP)
   (V) SOFTWOOD POSTS - (TTS / TTI)
   (VI) HARDWOOD POSTS - (HTS / HTI)
   (VII) STAR PICKET POSTS - (SP)

17. SPECIAL REQUIREMENTS MAY APPLY TO THE ERECTION PROCEDURES FOR FENCES INSTALLED NEAR HIGH VOLTAGE TRANSMISSION LINES. THE Relevant ELECTRICITY AUTHORITY SHOULD BE CONTACTED PRIOR TO THE INSTALLATION OF THE FENCE.

18. CONTACT DETAILS
   technologystandards@rms.nsw.gov.au

19. DRAWING TO

SEND FEEDBACK ON THIS STANDARD DRAWING TO technologystandards@nsw.gov.au

STANDARD DRAWING
NSW TRANSPORT
ROAD DESIGN ENGINEERING
RURAL ROAD BOUNDARY FENCING
TYPICAL POST DETAILS

© Roads and Maritime Services
NOTES

1. FENCE IS TO BE STRAINED AT INTERVALS NOT EXCEEDING 12 METRES - 90 METRES FOR CATTLE PROOF FENCES.
2. FOR METHOD OF ERECTING POSTS IN EARTH OR ROCK SEE SPECIFICATION.
3. FOR POST TYPE DETAIL REFER TO DS2014/00688
4. FOR GATE FITTING DETAIL REFER TO DS2014/006888
5. FENCING MATERIALS ARE TO BE IN ACCORDANCE WITH SPECIFICATION - B20.
6. SPECIAL REQUIREMENTS MAY APPLY TO THE ERECTION PROCEDURES FOR FENCES INSTALLED NEAR HIGH VOLTAGE TRANSMISSION LINES.
7. THE RELEVANT ELECTRICITY AUTHORITY SHOULD BE CONTACTED PRIOR TO THE INSTALLATION OF THE FENCE.

1. ALTERNATIVE STOCKPROOF PANEL
2. SP POST, WHERE PERMITTED, OTHERWISE USE PRI, GSI, TTI OR HTI
3. FOR METHOD OF ERECTING POSTS IN EARTH OR ROCK SEE SPECIFICATION.
4. FOR GATE FITTING DETAIL REFER TO DS2014/006888
5. FENCING MATERIALS ARE TO BE IN ACCORDANCE WITH SPECIFICATION - B20.
6. SPECIAL REQUIREMENTS MAY APPLY TO THE ERECTION PROCEDURES FOR FENCES INSTALLED NEAR HIGH VOLTAGE TRANSMISSION LINES.
7. THE RELEVANT ELECTRICITY AUTHORITY SHOULD BE CONTACTED PRIOR TO THE INSTALLATION OF THE FENCE.

1. TEMPORARY STAR PICKET AND WIRE FENCE
2. SP POST, WHERE PERMITTED, OTHERWISE USE PRI, GSI, TTI OR HTI
3. FOR METHOD OF ERECTING POSTS IN EARTH OR ROCK SEE SPECIFICATION.
4. FOR GATE FITTING DETAIL REFER TO DS2014/006888
5. FENCING MATERIALS ARE TO BE IN ACCORDANCE WITH SPECIFICATION - B20.
6. SPECIAL REQUIREMENTS MAY APPLY TO THE ERECTION PROCEDURES FOR FENCES INSTALLED NEAR HIGH VOLTAGE TRANSMISSION LINES.
7. THE RELEVANT ELECTRICITY AUTHORITY SHOULD BE CONTACTED PRIOR TO THE INSTALLATION OF THE FENCE.

1. RABBIT PROOF FENCE
2. SP POST, WHERE PERMITTED, OTHERWISE USE PRI, GSI, TTI OR HTI
3. FOR METHOD OF ERECTING POSTS IN EARTH OR ROCK SEE SPECIFICATION.
4. FOR GATE FITTING DETAIL REFER TO DS2014/006888
5. FENCING MATERIALS ARE TO BE IN ACCORDANCE WITH SPECIFICATION - B20.
6. SPECIAL REQUIREMENTS MAY APPLY TO THE ERECTION PROCEDURES FOR FENCES INSTALLED NEAR HIGH VOLTAGE TRANSMISSION LINES.
7. THE RELEVANT ELECTRICITY AUTHORITY SHOULD BE CONTACTED PRIOR TO THE INSTALLATION OF THE FENCE.

1. CATTLE PROOF FENCE
2. SP POST, WHERE PERMITTED, OTHERWISE USE PRI, GSI, TTI OR HTI
3. FOR METHOD OF ERECTING POSTS IN EARTH OR ROCK SEE SPECIFICATION.
4. FOR GATE FITTING DETAIL REFER TO DS2014/006888
5. FENCING MATERIALS ARE TO BE IN ACCORDANCE WITH SPECIFICATION - B20.
6. SPECIAL REQUIREMENTS MAY APPLY TO THE ERECTION PROCEDURES FOR FENCES INSTALLED NEAR HIGH VOLTAGE TRANSMISSION LINES.
7. THE RELEVANT ELECTRICITY AUTHORITY SHOULD BE CONTACTED PRIOR TO THE INSTALLATION OF THE FENCE.

1. WIRE FENCE
2. SP POST, WHERE PERMITTED, OTHERWISE USE PRI, GSI, TTI OR HTI
3. FOR METHOD OF ERECTING POSTS IN EARTH OR ROCK SEE SPECIFICATION.
4. FOR GATE FITTING DETAIL REFER TO DS2014/006888
5. FENCING MATERIALS ARE TO BE IN ACCORDANCE WITH SPECIFICATION - B20.
6. SPECIAL REQUIREMENTS MAY APPLY TO THE ERECTION PROCEDURES FOR FENCES INSTALLED NEAR HIGH VOLTAGE TRANSMISSION LINES.
7. THE RELEVANT ELECTRICITY AUTHORITY SHOULD BE CONTACTED PRIOR TO THE INSTALLATION OF THE FENCE.
STEEL POST STRAINER TREATMENT
TRIANGULATED POST ASSEMBLY

FOR BACKFILLING OF POSTHOLEs ADJACENT TO STRAIN POSTS, REFER TO SPECIFICATION.

BRACE MADE HARD AGAINST POST.

FOR VARIATION OF DEPTH REFER TO SPECIFICATION.

FASTENING OF BARBED WIRES TO STAR PICKETS

ALTERNATIVE STRAINER POST TREATMENT - STAY PLATE DETAIL

FOR BACKFILLING OF POSTHOLEs ADJACENT TO STRAIN POSTS, REFER TO SPECIFICATION.

BRACE MADE HARD AGAINST STAY PLATE.

TYPICAL STRAINER POST DETAIL

INTERMEDIATE POSTS TO BE STAYED BY 4 X 4 GA. GALVANISED WIRES
TWISTED AND CONNECTED TO LOWER POST END OF ADJACENT POSTS

NOTES

1. PRESTRESSED CONCRETE POSTS (PRS / PRI)
2. GALVANISED STEEL POSTS (GSS / GSI)
3. WOOD POSTS (HTS / HTI)
4. HARDWOOD POSTS - (HTS / HTI)
5. SOFTWOOD POSTS - (TTS / TTI)
6. GALVANIZED STEEL POSTS - (GSS / GSI)
7. PRESTRESSED CONCRETE POSTS - (PRS / PRI)

REFERENCES
1. PROJECTWISED DRAWING
2. TRANSPORT
3. ROADS & MARITIME SERVICES
4. STANDARD DRAWING
5. ROAD DESIGN ENGINEERING

© Roads and Maritime Services
GATE FITTINGS FOR PRESTRESSED CONCRETE POSTS

- Upper Support Bracket
- Lower Support Bracket
- Locking Bracket
- Ø 10 x 50 Galvanized Bolt, with Nut & Washer
- Chain Welded onto Collar
- Ø 25 mm Round Head Welded onto Collar
- Ø 10 Hole welded onto Collar
- Ø 10 Hole
- Ø 10 Hole
- Ø 10 Hole

GATE FITTINGS FOR TIMBER POSTS

- Upper Support Bracket
- Lower Support Bracket
- Locking Bracket
- Ø 10 x 100 Coach Screw to be Used for Timber Posts
- Ø 10 x 100 Coach Screw to be Used for Timber Posts
- Ø 10 x 100 Coach Screw to be Used for Timber Posts

NOTES

1. PRESTRESSED CONCRETE POSTS - (PRS / PRI)
2. GALVANIZED STEEL POSTS - (GSS / GSI)
3. HARDWOOD POSTS - (HTS / HTI)
4. SOFTWOOD POSTS - (TTS / TTI)
5. Star Picket Posts as Line Posts - (SP)
6. Chain to be Galvanized.

All brackets for steel and treated timber must be proprietary items manufactured in accordance with the specification. All brackets for steel and treated timber must be proprietary items manufactured in accordance with the specification. Chain to be galvanized.

TYPICAL POST TERMINOLOGY:

- PRESTRESSED CONCRETE POSTS - (PRS / PRI)
- GALVANIZED STEEL POSTS - (GSS / GSI)
- HARDWOOD POSTS - (HTS / HTI)
- SOFTWOOD POSTS - (TTS / TTI)
- Star Picket Posts as Line Posts - (SP)

All steel fittings are to be hot-dipped galvanized after all fabrication is complete. Bracket to be made of steel plate, 3 mm. Ø thickness. All bolts and nuts to be zinc plated 8 x 45 unless otherwise shown.

-- End Of Document --
NOTES
1. GALVANIZED SHEET MAY BE JOINED BY BUTTING BETWEEN THE CENTRAL VERTICAL TIMBERS.
2. M12 BOLTS USED THROUGHOUT UNLESS OTHERWISE SHOWN.
3. THIS TREATMENT TO BE USED ON RABBITPROOF AND OTHER RURAL ROAD FENCING INCORPORATING NETTING OR FABRIC.
4. FENCING TO BE IN ACCORDANCE WITH SPECIFICATION - R 201.

SEND FEEDBACK ON THIS STANDARD DRAWING TO technologystandards@rms.nsw.gov.au

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN
URBAN CONTROLLED ACCESS ROAD FENCING PANEL

500

200

ROADS AND MARITIME SERVICES

CONTROLLED ACCESS ROAD

ACCESS RIGHTS RESTRICTED

For Next - km

BOUNDARY SIGN

TO BE ERECTED AT THE FENCeline AT THE START OF THE CONTROLLED ACCESS ROAD. SET PARALLEL TO THE ROAD CENTRELINE AND FACING THE CONTROLLED ACCESS ROAD. REPEATER SIGNS 500 X 200 TO BE AT APPROXIMATELY 2 km INTERVALS AND TO OMIT LEGEND "FOR NEXT - km".

NOTES

1. FENCING MATERIALS ARE TO BE USED IN ACCORDANCE WITH THE SPECIFICATION - R 201.
2. ALL CONCRETE TO BE 20 MPa.
3. JOINTS TO BE WELDED AND PAINTED WITH A ZINC RICH PRIMER.
4. FOR VEHICULAR GATE DETAIL REFER TO DS2014_005992
5. SPECIAL REQUIREMENTS MAY APPLY TO THE ERECTION PROCEDURES FOR FENCES INSTALLED NEAR HIGH VOLTAGE TRANSMISSION LINES. THE RELEVANT ELECTRICITY AUTHORITY SHOULD BE CONTACTED PRIOR TO THE INSTALLATION OF THE FENCE.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN
## Panel

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<th>TYPE</th>
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<tr>
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<td>MEDIAN TYPE</td>
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<tr>
<td>5</td>
<td>R0800 - 23</td>
<td>R0800 - 24</td>
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## Post

<table>
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<tr>
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<th>CAP</th>
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<tr>
<td>TYPE</td>
<td>TYPE</td>
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<tr>
<td>CONCRETE</td>
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<td>R0800 - 11</td>
</tr>
<tr>
<td>INTER.</td>
<td>R0800 - 13</td>
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# Notes

1. Fences limited to grades of 15%.
2. Reflective sheeting is to be used to delineate pedestrian fencing. Sheetings are to be installed on the top of the panel support. Post sheetings also to be installed on the lead panel support.
END POST

ELEVATION

TOP COVER PLATE

BOTTOM COVER PLATE

END ELEVATION

SQUARE ALL WELDS FLUSH

DETAIl A

DETAil OF BOTTOM RAIL CONNECTION

NOTES
1. SCALES AS SHOWN.
2. STEEL PLATES SHALL BE GRADE 250 TO AS NZS 1678.
3. STEEL SECTIONS SHALL BE GRADE 650 TO AS NZS 1678.1.
4. COMMERCIAL BOLTS AND SCREWS SHALL CONFORM TO AS 1111.
5. PLAIN NUTS SHALL CONFORM TO AS 1112.
6. BLACK STEEL WASHERS (NORMAL AND LARGE SERIES) SHALL CONFORM TO AS 1237.
7. ALL WELDING SYMBOLS ARE AS SHOWN.
8. WELDING SYMBOLS ARE TO AS 1331, PART 3.
9. EDGES TO BE RECOMMENDED ARE TO BE ROUNDED TO A RADIUS OF 1.5 mm UNLESS SPECIFIED OTHERWISE.
10. ALL COMPONENTS SHALL BE HOT-DIP GALVANIZED.
11. ALL DIMENSIONS ARE BASE METAL THICKNESS.
12. ALL WELDED CONNECTIONS SHALL BE 6 mm FILLET WELDS.
13. AFTER FABRICATION IN ACCORDANCE WITH THE SPECIFICATION.
14. BOLTS, NUTS AND WASHERS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AS 1214.
DRILL #25 HOLES IN BASE PLATE FOR M20 × 160 MASONRY ANCHORS.

MINIMUM 25 mm MORTAR PAD.

DETAIL C

MINIMUM 25 mm MORTAR PAD.

NOTES

1. HEIGHT TO BE DETERMINED TO SUIT SITE CONDITION.
2. MINIMUM AND MAXIMUM HEIGHTS AS SHOWN IN DETAIL B.
FENCE LIMITE TO GRADIES OF UP TO 10%.

WASHER

FOR DETAILS OF ANGLE BRACKETS AND PANEL SEE PANEL DRAWINGS.

M10 BOLT, NUT AND WASHERS.

DETAIL OF BOTTOM RAIL CONNECTION

FOOTING Ø 400, 600 DEEP

IN SOFT GROUND USE CONCRETE FOOTING Ø 200 20 MPa

DETAIL B

FOOTING DETAIL

Ø 250 23 MPa CONCRETE FOOTING IN SOFT GROUND USE FOOTING Ø 400, 600 DEEP

INTERMEDIATE POST END ELEVATION SECTION

DETAIL A

SECTION 1

END ELEVATION ELEVATION
**BASE PLATE**

**SECTION 3**

- **Detail C**
  - Ø 14 HOLE INTO EXISTING CONCRETE TO PROTRUDE MINIMUM 70 mm INTO EXISTING CONCRETE.
  - M20 MASONRY ANCHORS TO PROTRUDE MINIMUM 70 mm INTO EXISTING CONCRETE.

**NOTES**

1. HEIGHT TO BE DETERMINED TO SUIT SITE CONDITION.
2. MINIMUM AND MAXIMUM HEIGHTS AS SHOWN IN DETAIL B, SHEET 1.

**Dimensions**

- MINIMUM 25 MORTAR PAD.
- Ø 14 HOLE
- EXISTING CONCRETE
- MINIMUM 25 MORTAR PAD.

**Send Feedback**

 Send feedback on this standard drawing to technologystandards@rms.nsw.gov.au

**Manager**

Investigations & Technology

**Date**

[20.01.17]
ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
1. **Standard Drawing No.**
   - Rev.
   - Date
   - Amendment / Revision Description
   - WVR No.
   - Approval

2. **Scales on A3 Size Drawing**
   - 0 5 10 15 20 25 30 35 40 45 50 mm

3. **Explanation**
   - This drawing may be prepared in colour and may be incomplete if copied.

4. **Technical Details**
   - © Roads and Maritime Services

5. **Road Design Engineering**
   - Original Issue Date: January 2017
   - Document Ver.
   - Scan to check

6. **Drawing To:**
   - Prepared by

7. **Send Feedback on This Standard Drawing to:**
   - technologystandards@rms.nsw.gov.au

8. **Scale:**
   - 100 200 300 400 500 mm

9. **Sections & Details**
   - Elevation
   - View
   - End Post
   - Intermediate Post
   - Angle Brackets

10. **Dimensions**
    - 1160 x 910
    - 1159 x 41

11. **Design Features**
    - Ø 22 MPa Concrete footing
    - Ø 14 hole to fit M10 commercial bolt
    - Ø 14 hole to fit M10 commercial bolt
    - Ø 14 hole to fit M10 commercial bolt

12. **Notes**
    -版權所有，不得複製。
DETAIL OF INTERMEDIATE GABLE POST CAP

NOTE: FABRICATED FROM NOM. 1.6 SHEET.

DETAIL OF INTERMEDIATE CROSS BREAK POST CAP

NOTE: FABRICATED FROM NOM. 1.6 SHEET.

DETAIL OF INTERMEDIATE SPHERICAL POST CAP

NOTE: FABRICATED FROM NOM. 1.6 SHEET.
NOTES
THIS DRAWING SHOWS THE TYPICAL CIRCLE EMBELLISHMENTS FOR FENCE TYPES 3, 4, 5 AND 6.

PEDESTRIAN FENCE EMBELLISHMENTS

SEND FEEDBACK ON THIS STANDARD DRAWING TO technologystandards@rms.nsw.gov.au

ROAD DESIGN ENGINEERING
PEDESTRIAN FENCE EMBELLISHMENTS
**Scales on A3 Size Drawing**

ON THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

**NOTES**

1. STEEL SECTIONS MUST BE HOT-DIP GALVANISED INTERNALLY AND EXTERNALLY IN ACCORDANCE WITH THE REQUIREMENTS OF AS 4792.
2. ALL WELDED CONNECTIONS MUST BE SP WELD CATEGORY IN ACCORDANCE WITH AS 1554.1.
3. REFER TO AUSTROADS GUIDE TO ROAD DESIGN PART 6A WHERE THE DISTANCE FROM EDGE OF FOOTPATH / SHARED PATH IS LESS THAN 5 m FROM A VERTICAL FALL OR BATTER SLOPE FOR REQUIREMENTS.
4. HANDRAIL DETAILS ARE APPLICABLE FOR FOOTPATH OR SHARED PATH GRADIENT OF 1 IN 33 OR SHALLOWER.
FAUNA PROTECTION DRAINAGE DETAILS

OVER CONCRETE DRAIN.
2.5 MESH TO BE PINNED
1500
100 MIN.
900
600
600
GROUND
GROUND
GROUND
GROUND
MAX. 4000 BETWEEN UPRIGHTS
100 MIN.
FOOTING W6 X 230
(APPLIES WHERE POST RLS VARY BY MORE THAN 800)

ELEVATION
INTERMEDIATE POST AT LOW POINT

NOTES
1. AT DRAINAGE LINES AND DATES LIGHT CORROSION RESISTANT METAL FLAP TO BE INSTALLED WITH LESS THAN 50 GAP FLAP TO BE DESIGNED TO SUIT HYDRAULIC FLOWS AND DRAIN SHAPE IN STORMWATER FLOW PATHS METAL FLAP TO BE CONNECTED TO FENCE ON DOWNSIDE OF FENCE
2. SPECIAL REQUIREMENTS MAY APPLY TO THE ERECTION PROCEDURES FOR FENCES INSTALLED NEAR HIGH VOLTAGE TRANSMISSION LINES THE RELEVANT ELECTRICITY AUTHORITY SHOULD BE CONTACTED PRIOR TO THE INSTALLATION OF THE FENCE.

GENERAL
FAUNA EXCLUSION FENCE

SEND FEEDBACK ON THIS STANDARD DRAWING TO technologystandards@rms.nsw.gov.au

MORE DETAILS
R0800-31
FLOPPY TOP MESH
CONTINUOUS (APPED)
( NOT FIXED )

3 1/8" Dia. HEAVY GALVANIZED WIRE
50 CHAIN-LINK FENCING FABRIC
(RANDOM / ANGULAR MESH)
CABLE TIES AT 200 (MM) INTERVALS.

GALVANIZED STEEL
PIPE (X) MIN.
(2X 350 STRUCTURAL
GRADE PIPE)

GALVANIZED STEEL
PIPE (2X MIN.
(2X 350 STRUCTURAL
GRADE PIPE)

LOCKING
CHAIN

POSTS SET IN 300 (Dia)
CONCRETE FOOTING

POSTS SET IN 200 (Dia)
CONCRETE FOOTING

POSTS SET IN 200 (Dia)
CONCRETE FOOTING

INTERMEDIATE POSTS FOOTING DETAILS

MINIMUM
20 MPa
CONCRETE

MINIMUM
20 MPa
CONCRETE

MINIMUM
20 MPa
CONCRETE

INTERMEDIATE POSTS FOOTING DETAILS AT LOW POINT

STRAINER & CORNER POSTS FOOTING DETAILS

32 ON GALV POST

32 ON GALV POST

32 ON GALV POST

MOUNTED CONCRETE

MOUNTED CONCRETE

MOUNTED CONCRETE

NOTES
1. SPECIAL REQUIREMENTS MAY APPLY TO THE ERECTION PROCEDURES
   FOR FENCES INSTALLED NEAR HIGH VOLTAGE TRANSMISSION LINES.
   THE RELEVANT ELECTRICITY AUTHORITY SHOULD BE CONTACTED PRIOR
   TO THE INSTALLATION OF THE FENCE.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN

SEND FEEDBACK ON THIS STANDARD
DRAWING TO:
technologystandards@rms.nsw.gov.au
CHAIN LINK FENCING FABRIC TO BE STRAINED POST STRAINER POST
THREE ROWS OF SIX 41 STAPLES ON END POST, TWO ROWS ON INTERMEDIATE STAPLECOMBS AND STRAINER POSTS

INTERMEDIATE POST:

CHAIN LINK FENCING FABRIC ON BOTH SIDES

COLOUR-BONDED CHAIN LINK FENCING FABRIC, BLACK
50 MESH, WIRE Ø 4 SEE DETAIL W

ELEVATION

Ø 3 APPROVED WIRE (4 REQ'D)
Ø 30 DRILL HOLE.
STRAINER POST

EDGE OF BUREN

EDGE OF FORMATION FOR BOTH SEALED AND UNSEALED ROADS.

STRAINER POST

END POST

LAYOUT PLAN

1.5 m 1.5 m
1.5 m 1.5 m

60 M (2 AT 3 M CENTRES)
ACTUAL LENGTH TO DEPEND ON SITE CONDITIONS

STOCK SCARE DEVICE PLACED ON OUTSIDE OF END POSTS (4 REQ'D)

DELINERATORS ON THESE POSTS

NOTES
1. ERECT STANDARD 'STOCK' WARNING SIGN W5-214 ON EACH APPROACH TO THE STOCKRACE.
2. REFER TO MODEL DRAWING DS2014/006019 FOR DETAILS OF APPROPRIATE STRAINER & INTERMEDIATE POSTS.

SEND FEEDBACK ON THIS STANDARD DRAWING TO technologystandards@rms.nsw.gov.au

STANDARD DRAWING
ROAD DESIGN ENGINEERING
R0800 FENCING SERIES
STOCKRACE DETAIL

STANDARD DRAWING
ROAD DESIGN ENGINEERING
R0800-32
STOCKRACE DETAIL

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN
1. Special requirements may apply to the erection procedures for fences installed near high voltage transmission lines. The relevant electricity authority should be contacted prior to the installation of the fence.

2. Nails - 50 long 4 per palings.

NOTES:

- 100 x 50 x 3 OD medium galvanized pipe 3 x wall fence post at 2700 centres.
- 150 x 50 hardwood rails to be preservative treated and fixed to galvanized plates with 10 x 8 galvanized cuphead bolts.
- 75 x 200 x 5 galvanized plate welded to posts (see diagram).
- Paint with zinc rich primer after fabrication.
- Concrete 20 MPA minimum.
- Typical:
  - 250 rock
  - 750 earth (min).
  - Ø 700 section
  - Ø 150 treated to the bottom rail.
- Fence posts:
  - 2500 centres (max).
- § 10 galvanized bolts 75 long.
- Treated hardwood palings 1500 long base of palings to be preservative treated to the bottom rail.
- 75 x 200 x 5 galvanized plate.

SEND FEEDBACK ON THIS STANDARD DRAWING TO technologystandards@rms.nsw.gov.au
STANDARD DRAWING No.

REV

DATE

AMENDMENT / REVISION DESCRIPTION

WVR No.

APPROVAL

A3

SCALES ON A3 SIZE DRAWING

0

5

1 0

1 5

2 0

2 5

3 0

3 5

4 0

4 5

5 0 m m  O N  A 3  S IZ E  O R IG IN A L


© Roads and Maritime Services

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN

CONTACT DETAILS

DRAWING TO :

SEND FEEDBACK ON THIS STANDARD
technologystandards@rms.nsw.gov.au

SHEET       OF

STANDARD DRAWING

ROAD DESIGN ENGINEERING

ORIGINAL ISSUE DATE

JANUARY 2017

DOCUMENT VER.

SCAN TO CHECK

R0800 FENCING SERIES

EDMS No.

STATUS

ISSUED

........................................................................................................
........................................................................................................

DATE

.........................................

WORK AREA

WORK AREA

STAR PICKET

EXISTING ROADWAY

PLASTIC WEBBED FENCING.

EXISTING ROADWAY

EXCAVATION.

CHAIN LINK FENCING FABRIC

PUBLIC AREA

END ELEVATION

FENCING TO BE WIRED TO POCKETS AT THE TOP AND BOTTOM AND TIED TO FENCING WIRE AT TOP AND BOTTOM BETWEEN POSTS.

50 38 G^2f12^ (2 X 1.5 GALVANIZED WIRE

3 m

SINGLE STRAND Ø 4 FENCING WIRE.

3 m

SINGLE STRAND Ø 4 FENCING WIRE.

PLASTIC CAP

EXISTING ROADWAY

WORK AREA

WORK AREA

PLASTIC WEBBED FENCING.

PLASTIC WEBBED FENCING.

PLASTIC WEBBED FENCING.

CONSTRUCTION OF TEMPORARY PEDESTRIAN SAFETY FENCE AT WORK SITES

1. FENCING IS TO BE PROVIDED AT ALL LOCATIONS WHERE PEDESTRIANS MUST BE PREVENTED FROM ENTERING WORK AREA.
2. FENCING IS TO BE NEATLY ERECTED ON A SATISFACTORY LINE AND GRADE AND TO BE PROPERLY MAINTAINED.
3. THE FENCE TYPE IS TO BE EITHER CHAIN-LINK FENCING FABRIC OR PLASTIC WEBBED FENCING. CHAIN LINK FENCING FABRIC IS TO BE ERECTED WHERE FENCING IS ADJACENT TO VEHICULAR TRAFFIC, AND PLASTIC WEBBED WHERE IT IS DESIGNED TO PREVENT PEDESTRIAN TRAFFIC ENTERING A WORK AREA NOT AFFECTED BY VEHICULAR TRAFFIC.
4. ALL FENCING MATERIALS TO BE IN ACCORDANCE WITH SPECIFICATION R 201.
5. THE PLASTIC WEBBED FENCING MUST BE 550 CM WIDE WITH 50 CM HORIZONTAL WEBS, 60 CM WIDTH AND SPACED 50 CM APART. DOUBLE SIDED VERTICALS ARE TO BE SPACED AT 5 CM INTERVALS. COLOUR IS TO BE ORANGE. NARROW TOPPED LOOPS TO BE PROVIDED.
6. THE PROVISIONS IN THIS DRAWING, WHICH APPLY TO THE PROTECTION OF PEDESTRIANS, MUST BE READ IN CONJUNCTION WITH THE TRAFFIC CONTROL AT WORK SITES MANUAL.

NOTES

PEDESTRIAN FENCING SURROUNDING EXCAVATION

TEMPORARY FOOTPATH TO BE COVERED WITH CRUSHED ROCK OR OTHER SUITABLE MATERIAL TO PROVIDE AN ALL WEATHER SURFACE.

CHAIN LINK FENCING FABRIC TO DISCOURAGE PEDESTRIAN TRAFFIC CROSSING ROAD

FENCING TO BE WIRED TO POCKETS AT THE TOP AND BOTTOM AND TIED TO FENCING WIRE AT TOP AND BOTTOM BETWEEN POSTS.

50 38 G^2f12^ (2 X 1.5 GALVANIZED WIRE

3 m

SINGLE STRAND Ø 4 FENCING WIRE.

3 m

SINGLE STRAND Ø 4 FENCING WIRE.

PLASTIC CAP

EXISTING ROADWAY

WORK AREA

WORK AREA

PLASTIC WEBBED FENCING.

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FENCE DETAIL ON LEVEL OR NEAR LEVEL GROUND

FENCE DETAIL ON SLOPING GROUND

MUST BE SUITABLE FOR STOCK LENGTHS

HEAVYWEIGHT WELDED MESH

220 MAX. STEP.

TYPICAL FIXING CLIPS, BOLTS AND NUTS.

CONCRETE OR BRICK INFILL.

HEAVYWEIGHT WELDED MESH

TYPICAL FIXING CLIPS, NUTS AND BOLTS.

DETAIL IN GROUND FENCE POST

GROUND LEVEL.
WALL MOUNTED HANDRAIL ARRANGEMENT

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN

NOTES
1. COMPLETED HAND RAIL SECTIONS TO BE HOT DIP GALVANIZED.
2. DIMENSIONS OF HANDRAIL NOT SHOWN AND ERECTION OF HANDRAIL TO BE IN ACCORDANCE WITH AS 1428.1

WALL MOUNTED HANDRAIL

DETAIL
NOT TO SCALE

SEND FEEDBACK ON THIS STANDARD DRAWING TO:
technologystandards@rms.nsw.gov.au