ROCK FALL FENCE TYPE 3 - SHEET A
(RIGID UC ROCK FENCE WITH MESH)

RTA DRAWING No RTAG003A ISSUE 1 JUNE 2007

1. SCALE 1:50 AS SHOWN
2. FOR OTHER GENERAL NOTES RELATING TO THIS SHEET, SEE SHEET No 5.

CAUTIONS
1. THESE STANDARD DRAWINGS ARE INTENDED TO GIVE A TYPICAL LAYOUT OF THE ROCK FALL CONSTRUCTION, THEY SHALL BE REVIEWED OR MODIFIED BY QUALIFIED ENGINEERS PRIOR TO THEIR USE FOR SPECIFIC PROJECTS.
2. THESE SERIES OF DRAWINGS ARE BASED ON PARTICULAR FENCE POSTS. IF ANOTHER POST SIZE IS ADOPTED, CORRESPONDING DETAILS SHALL BE REVISED TO SUIT.
3. POSITION OF THE FENCE AND PROTECTION FOR VEHICLE IMPACT SHALL BE CHECKED WITH THE ROAD SAFETY AND TRAFFIC MANAGEMENT SECTION OF THE RTA.

GENERAL NOTES

PLAN OF COLUMN FOOTING DETAILS

SLEEVE

ALL STEEL WIRE TO BE CROCHETED TO TWISTED WIRE (NOT BENT) WITH A COLUMN APPROVED BY SUPERINTENDENT

MAXIMUM 250M LAPS AND CONTINUOUS WIRE CONNECTION

SIDE POST END DETAIL

VIEW

2 NO's. 200 x 13 EQUAL ANGLE GALVANISED,
250 x 250 x 6 SHS GALVANISED,
203 x 203 x 6 SHS GALVANISED,
250 x 250 x 6 SHS GALVANISED,

200 UC 59.5, CROSS BRACING

WITH MANUFACTURER'S SUPPORT

BY M20 BOLTS TOP AND BOTTOM,
OF CROSS BRACING AND FIXED
FLANGE WELDED TO THE END

M20 U-BOLT AT 500 CENTRES

TURN BUCKLE CONNECTION

THROUGH U-BOLT AT EACH LEVEL
WITH 20 ROPE TO BE STRUNG

MAXIMUM 500mm LAPPING AND

EXPANSION JOINT AT EACH END

BITUMEN IMPREGNATED FIBREBOARD

100 x 6 x 350 LONG
SEMI-CIRCULAR PLATE

TYP

PLAN OF COLUMN FOOTING DETAILS

SECTION

VIEW

CATCH FENCE ELEVATION

ROCK FALL FENCE TYPE 3 - SHEET A
(RIGID UC ROCK FENCE WITH MESH)

ROAD AND TRAFFIC AUTHORITY OF NSW

DRAWING

DESIGN

PREP

EXECUTED

DATE

REVISION

REVIEWED

MANAGER, GEOTECHNOLOGY
G YIP

SUPERINTENDENT
I HOBSON

PREPARED

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INTERNAL FACE OF SLEEVE SHALL BE CROCHETED WITH GALVANISED 4mm WIRE

SIDE POST END DETAIL

FOOTING SLEEVE DETAILS

FOOTING SLEEVE, SEE DETAILS

FLANGE WELDED TO THE END OF CROSS BRACING AND FIXED BY M20 BOLTS TOP AND BOTTOM, SEE DETAIL No 4 FOR DETAILS

200 UC 59.5, CROSS BRACING

WITH MANUFACTURER'S SPECIFICATION USING ALUMINUM PROTECTIVE COATED THEN I WIRE ROPE

WIRE MEAN SHALL BE TIED TO WIRE BY CONTINUOUS LACING

FENCE SHOULD BE SET CLOSE TO THE ROAD SHOULDER TO MAXIMISE SPACE BETWEEN THE ROAD AND FENCE

MAXIMISE SPACE BETWEEN THE ROAD AND FENCE

NEW CUT BATTER

BOTTOM OF BANK

CONCRETE FOOTING, REFER TO DETAIL OF COLUMN

FOOTING SLEEVE DETAILS

STEM HOLES AT 300 CENTRES WITH GALVANISED FLAT WASHERS, NOT TO BE SNUG TIGHTENED

GALVANISED 4mm WIRE RODE, REFER TO SPECIFICATION, ROPE TO BE TENSIONED AROUND THE TURN BUCKLES

GALVANISED 4mm WIRE RODE, REFER TO SPECIFICATION, WIRE TO BE TENSIONED TO 2kN AT TURN LOCK SPLICE, MIN 4 ALUMINUM FERRULE SECURED SPECIFICATION USING MANUFACTURER'S SPECIFICATION

WIRE MEAN SHALL BE TIED TO WIRE BY CONTINUOUS LACING

MAXIMUM 500mm LAPPING AND

EXPANSION JOINT AT EACH END

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100 x 6 x 350 LONG
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