CONSTRUCTION METHODOLOGY

ROCK FENCE CONSTRUCTION

APPROXIMATE ENERGY ABSORPTION CAPACITY (kJ)

HOLLOW CORE WALL PLANK AS SHOWN IN DRAWING WITH 4 TENDONS 9.3mm, 200mm THICK

HOLLOW CORE FLOOR PLANK, S200 BY "RESCRETE" OR SIMILAR, 200mm THICK

GENERAL NOTES

1. SCALE

2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS AND RELEVANT RTA SPECIFICATIONS IN PARTICULAR R161 FENCING.

NOTES FOR FOOTINGS

1. WHERE FOOTING IS CONSTRUCTED IN SOUND ROCK (AS APPROVED BY THE SUPERINTENDENT), THE FOOTING DIAMETER CAN BE REDUCED TO 500.

2. WHERE EMBEDMENT IN SOUND ROCK EXCEEDS 1250, THE TOTAL FOOTING DEPTH CAN BE REDUCED TO A MINIMUM OF 1350 AND THE LENGTH OF SLEEVE CUT TO SUIT.

CONSTRUCTION METHODOLOGY

1. SET SLEEVE INTO 32MPa CONCRETE FOOTING. COAT INSIDE SLEEVE WITH AN APPROVED BITUMEN OR OTHER BOND BREAKING COATING.

2. INSERT COLUMN INTO SLEEVE AND PLACE 32MPa CONCRETE INTO SLEEVE.

3. AFTER THE CONCRETE GAINS SUFFICIENT STRENGTH, ERECT WALL PANELS.

CAUTIONS

1. THESE STANDARD DRAWINGS ARE INTENDED TO GIVE A TYPICAL LAYOUT OF THE ROCK FALL CONTAINMENT STRUCTURES. 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 SECTIONS OF THE RTA.

ROAD AND TRAFFIC AUTHORITY OF NSW

ROCKFALL FENCE TYPE 4

(ROCK FENCE WITH CONCRETE WALL PLANKS)

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