

AMENDMENTS

A

ORIGINAL
ISSUE

J R No.

NA

D

DR'N

C.R.T.

CH'D

C.R.T.

DATE

24-10-94

JR No

930208

REDRAWN: OH SHEET.

SEO

CHB.

E

DR'N

C.R.T.

CH'D

C.R.T.

DATE

01-8-95

JR No

950099

DRG SIZE WAS OH.

SEO

CHB.

F

DR'N

C.R.T.

CH'D

C.R.T.

DATE

23-12-96

JR No

960080

SHEET WAS A2.

MPDO

CHB

NOTES

1. FOR PLAIN FOOTINGS USE MINIMUM AUGER SIZE.

2. PLAIN FOOTINGS TO BE USED FOR IN-LINE POLES ONLY.

3. POLE CODE: 9.5/4 DENOTES
POLE LENGTH 9.5 METRES,
POLE STRENGTH 4 KILONEWTONS.

FOOTING DETAILS

1. PLAIN FOOTING

THIS FOOTING IS FOR INTERMEDIATE POLES SET IN GOOD TO MEDIUM BEARING SOIL. HOLE DEPTH MAY BE REDUCED BY 200mm FOR POOR ROCK, SHALE ETC. NATURAL ROUND POLES TO BE DESAPPED 450mm ABOVE AND BELOW GROUND LINE.

2. CONCRETE FOOTING

THIS FOOTING IS FOR ANGLE TERMINATION TEE OFF & ABS POLES IN GOOD, MEDIUM & POOR BEARING SOIL. A 100mm MINIMUM RADIAL THICKNESS OF 5:1 CONCRETE MIXTURE (IE 5 VOLUMES OF CRUSHED ROCK TO 1 VOLUME OF CEMENT) TO BE PLACED AROUND POLE AS SHOWN. NATURAL ROUND POLES TO BE DESAPPED 450mm ABOVE AND BELOW GROUND LINE.

3. ROCK FOOTING

IN SOLID ROCK, DEPTH OF HOLE MAY BE REDUCED, DEPENDING ON ROCK STRUCTURE AND APPLICATION. BACKFILL TO WITHIN 450mm BELOW GROUND LINE SHALL CONSIST OF ROCKS BOUND WITH CONCRETE AS SHOWN. NATURAL ROUND POLES TO BE DESAPPED 450mm ABOVE & BELOW GROUND LINE.

4. BAULK FOOTING

THE BAULK FOOTING IS TO BE USED IN BAD BEARING SOILS.
THE UPPER BAULK SHOULD BE 250mm X 100mm X SUITABLE LENGTH HARDWOOD, HOUSED & SPICKED WITH 2 POLE STEPS, OR BOLTED TO POLE WITH M16 GALVANISED BOLTS, & SHOULD REST AGAINST UNDISTURBED SOIL. IF REQUIRED, A LOWER BAULK OF SIMILAR SIZE SHOULD BE USED, HOUSED & FIXED AS ABOVE. DESAPPED ROUND TIMBER LOGS OF EQUIVALENT SIZE MAY BE USED AS BAULKS.

5. GENERAL

BACKFILL SHOULD BE WELL RAMMED. WHERE POLES ARE SET IN CONCRETE OR ASPHALT SURFACES, THE SURFACE SURROUNDING THE POLE SHOULD BE REINSTATED WITH A 25mm THICKNESS OF CEMENT MORTAR OR ASPHALT, SLIGHTLY INCLINED TOWARDS THE POLE.

POLE CODE	MINIMUM AUGER SIZE	MINIMUM HOLE DEPTH	MAXIMUM LOAD AT CROSSARM (kN)	MAXIMUM LOAD AT COMPOSITE CONSTN (kN)
9,5/4	450	1550	4	6
11/4		1700		
12.5/4		1850		
9.5/8	750	1550	8	10
11/8	600	1700		
	600	1850		
12.5/8	600	1850		
14/8	600	2000		
9.5/12	900	1550	12	15
11/12	750	1700		
	600	1850		
	600	2000		
12.5/12	900	1850		
14/12	750	2000		
	600	2150		
	600	2300		
12.5/18	900	2000	18	21
8/15	750	2150		
	750	2400		
8/30	750	2400	30	--

PLAIN FOOTING

CONCRETE FOOTING

ROCK FOOTING

BAULK FOOTING

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