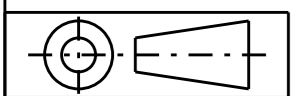


NOTES :

1. THE FOLLOWING INFORMATION IS OBTAINED FROM THE PROJECT DESIGN DRAWINGS :
 - a. POLE LENGTH AND STRENGTH.
 - b. SPECIAL FOUNDATION REQUIREMENTS.
 - c. POLE EMBEDMENT DEPTH.
 - d. PHASE CONDUCTOR AND OVERHEAD EARTHWIRE SIZE.
 - e. STAY REQUIREMENTS.
 - f. DEVIATION ANGLE.
 - g. ASSESSED EARTHING REQUIREMENTS.
2. THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
3. LONGROD INSULATORS TO BE USED UNDER NORMAL CONDITIONS.
4. STAYS TO BE INSTALLED SO THAT THE STAYWIRE CLEARANCE FROM THE PHASE CONDUCTORS COMPLIES WITH THE STATUTORY REQUIREMENTS.
5. THE OVERHEAD EARTH WIRE DOWN LEAD IS TO BE FIXED TO THE POLE SO AS TO GIVE THE MAXIMUM CLEARANCE TO THE NEAREST PHASE CONDUCTOR.
6. ALL BOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
7. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
8. THE EARTHING DOWN LEAD IS TO BE FIXED TO THE POLE WITH STAPLES AT INTERVALS NOT GREATER THAN 450mm. ONLY SUFFICIENT INSULATION IS TO BE REMOVED FROM THE DOWN LEAD TO MAKE AN EFFECTIVE CONNECTION TO THE POLE HARDWARE.
9. ONLY THE SINGLE PHASE CONDUCTOR WITH OPGW OVERHEAD EARTHWIRE OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.
10. USE THE OPGW SUSPENSION ARRANGEMENT WHEN ERECTING AN OPGW OVERHEAD EARTHWIRE. USE THE STANDARD EARTHWIRE SUSPENSION ARRANGEMENT WHEN ERECTING A NON OPGW OVERHEAD EARTHWIRE.
11. A MINIMUM INSULATOR RADIAL SWING ANGLE MUST BE MAINTAINED TO ENSURE THE MINIMUM 66kV PHASE TO EARTH CLEARANCE OF 690mm IS OBSERVED.
12. EYEBOLTS TO BISECT THE ANGLE OF DEVIATION. THE LOAD AND DEVIATION ALLOWABLE ON AN EYEBOLT IS TO BE DETERMINED FROM DRG : 520324.
13. POLE STEPS SHOULD ONLY BE INSTALLED ON POLES WHERE ACCESS FOR NORMAL MAINTENANCE VEHICLES CANNOT BE MAINTAINED FOR THE LIFE OF THE POLE. IF POLE STEPS ARE INSTALLED, THEY ARE TO COMPLY WITH THE REQUIREMENTS OF NETWORK STANDARD NS135.

7	STEP - POLE (SEE NOTE 13)	517698	A/R
6	EARTHWIRE - SUSPENSION, OVERHEAD, MOUNTING, ARRANGEMENT -1b (SEE NOTES 9 & 10)	514157	1
	OPGW - SUSPENSION, CONDUCTOR, MOUNTING, ARRANGEMENT -1b (SEE NOTES 9 & 10)	565744	
5	INSULATOR - LONGROD, 66kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -1 (SEE NOTES 3 & 9)	244700	3
	INSULATOR - LONGROD, 66kV, POLYMERIC STRING, ARRANGEMENT -1 (SEE NOTES 3 & 9)	166231	
4	EARTHWIRE - OVERHEAD, DOWN LEAD, POLE HARDWARE, MOUNTING & BONDING, ARRANGEMENT -2	514145	3
3	FOOTING - TIMBER POLE, ARRANGEMENT (SEE NOTE 1)	508726	1
2	EARTHING - ARRANGEMENT, TIMBER POLE STRUCTURE, TYPE SE-M5	508786	1
1	POLE - TIMBER (AS REQUIRED)	513988	1
ITEM	DESCRIPTION	DRG. No	QTY



ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. DO NOT SCALE.

CAD DRAWING
DO NOT MANUALLY AMEND
A M E N D M E N T S
DWN: PATRICIA RIOS
CHKD: PHILLIP JONES
DATE: 23/08/2018
DRAWING NUMBER UPDATED.
STOCK CODES REMOVED.
DISCS CHANGED TO
LONGRODS. AUSGRID
BORDER APPLIED. DUAL
CONDUCTOR OPTION ADDED.
APPD by: GLENN FORD

NETWORK STANDARD
Ausgrid
145 NEWCASTLE RD WALLSEND,
NSW 2287

SCALE	1:25
DESIGNED	-
DRAWN	PETER SAUNDERS
CHECKED	R.M
APPROVED	D.GRIFFITHS
DATE	27/03/91
PROJECT NUMBER	STD
PROJTRAK NUMBER	-

STANDARD CONSTRUCTION 66kV FLYING ANGLE CONSTRUCTION WITH OVERHEAD EARTHWIRE 5-160 E			
SIZE	DRAWING No	SHEET	AMD
A2	514153	01	1