



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. ONLY THE SINGLE PHASE CONDUCTOR WITH OPGW OVERHEAD EARTHWIRE OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.
5. USE THE OPGW SUSPENSION ARRANGEMENT WHEN ERECTING AN OPGW OVERHEAD EARTHWIRE. USE THE STANDARD EARTHWIRE SUSPENSION ARRANGEMENT WHEN ERECTING A NON OPGW OVERHEAD EARTHWIRE.
6. STAYS TO BE INSTALLED SO THAT THE STAYWIRE CLEARANCE FROM THE PHASE CONDUCTORS COMPLIES WITH THE STATUTORY REQUIREMENTS.
7. A MINIMUM INSULATOR RADIAL SWING ANGLE MUST BE MAINTAINED TO ENSURE THE MINIMUM 66KV PHASE TO EARTH CLEARANCE OF 690mm IS OBSERVED.
8. POLE STEPS SHOULD ONLY BE INSTALLED ON POLES WHERE ACCESS FOR NORMAL MAINTENANCE VEHICLES CANNOT BE MAINTAINED FOR THE LIFE OF THE POLE.

ITEM	DESCRIPTION	DRG.No.	QTY
7	STEP - POLE (SEE NOTE 8)	514084	A/R
6	EARTHWIRE - SUSPENSION, OVERHEAD, MOUNTING, ARRANGEMENT -1a (SEE NOTES 4 & 5)	514157	1
	OPGW - SUSPENSION, CONDUCTOR, MOUNTING, ARRANGEMENT -1a (SEE NOTES 4 & 5)	565744	
5	INSULATOR - LONGROD, 66kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -4 (SEE NOTES 3 & 4)	244700	3
	INSULATOR - LONGROD, 66kV, POLYMERIC STRING, ARRANGEMENT -4 (SEE NOTES 3 & 4)	166231	
4	BAND - POLE, MOUNTING AND BONDING, ARRANGEMENT -1	514158	3
3	FOOTING - CONCRETE POLE, ARRANGEMENT (SEE NOTE 1)	512331	1
2	EARTHING - CONCRETE/STEEL, SINGLE POLE, BUTT, ARRANGEMENT	520209	1
1	POLE - CONCRETE (AS REQUIRED)		1

DO NOT MANUALLY AMEND
DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE
DO NOT SCALE

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS DWN: PATRICIA RIOS CHKD: PHIL JONES DATE: 10/01/2005 DRAWING NUMBER UPDATED, STOCK CODES REMOVED, DISCS CHANGED TO LONGRODS. APPD by: B.C. DWN: GARY HUGHES CHKD: PHILIP JONES DATE: 04/11/2013 AUSGRID BORDER APPLIED, INSULATORS & OHEW AMENDED, NOTES, TITLE & MATERIAL LIST UPDATED, DUAL CONDUCTOR OPTION ADDED. APPD by: GLENN FORD	ASSOCIATED DRAWINGS	
	1	2

NETWORK STANDARD

 145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	1:25	STANDARD CONSTRUCTION 66kV FLYING ANGLE CONSTRUCTION WITH OVERHEAD EARTHWIRE 5-160 C/E
DESIGNED	-	
DRAWN	PETER SAUNDERS	
CHECKED	P.A.S	
APPROVED	D.GRIFFITHS	
DATE	22/09/92	
PROJECT NUMBER	STD	SIZE A2
PROJTRAK NUMBER	-	DRAWING No 514076
		SHEET 01
		AMD 10