



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 STRUCTURE SHALL BE ERECTED SO THAT THE POLES ARE VERTICAL, THE TOPS OF POLES ARE LEVEL AND THE CROSSARM IS HORIZONTAL.
3. A MAXIMUM INSULATOR RADIAL SWING ANGLE MUST NOT BE EXCEEDED TO ENSURE THE MINIMUM 132KV PHASE TO EARTH CLEARANCE OF 1.3m IS OBSERVED.
4. THE CROSSARM IS TO BE INSTALLED SO THE SHORTER OVERHANG FROM THE POLE IS LOCATED ON THE INSIDE OF THE LINE DEVIATION ANGLE.
5. LONGROD INSULATORS TO BE USED UNDER NORMAL CONDITIONS.
6. STAYS TO BE INSTALLED SO THAT THE STAYWIRE CLEARANCE FROM THE PHASE CONDUCTORS COMPLIES WITH THE STATUTORY REQUIREMENTS.
7. ONLY THE OPGW OVERHEAD EARTHWIRE OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.
8. USE THE OPGW SUSPENSION ARRANGEMENT WHEN ERECTING AN OPGW OVERHEAD EARTHWIRE. USE THE STANDARD EARTHWIRE SUSPENSION ARRANGEMENT WHEN ERECTING A NON OPGW OVERHEAD EARTHWIRE.
9. POLE STEPS SHOULD ONLY BE INSTALLED ON POLES WHERE ACCESS FOR NORMAL MAINTENANCE VEHICLES CANNOT BE MAINTAINED FOR THE LIFE OF THE POLE.

15	STEP - POLE (SEE NOTE 9)	514084	A/R
14	EARTHWIRE - SUSPENSION, OVERHEAD, MOUNTING, ARRANGEMENT (SEE NOTES 7 & 8)	512449	2
	OPGW - SUSPENSION, CONDUCTOR, MOUNTING, ARRANGEMENT -2a (SEE NOTES 7 & 8)	244708	
13	INSULATOR - LONGROD, 132KV, POLYMERIC STRING, ARRANGEMENT - 6 (SEE NOTE 5)	520314	3
12	WASHER - SPRING, M20, GALVANISED	518082	6
11	WASHER - FLAT, M20, GALVANISED	518081	12
10	BOLT & NUT - M20x50mm, HEX., GALVANISED	515465	6
9	PLATE - DROPPER, GALVANISED	508727	3
8	WASHER - SPRING, M24, GALVANISED		2
7	WASHER - FLAT, M24, GALVANISED	518081	2
6	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø27mm HOLE)	518081	2
5	BOLT & NUT - M24, HEX., GALVANISED (LENGTH TO SUIT POLE)	515465	2
4	CROSSARM - CHANNEL, 250x90x9600mm, GALVANISED (RCP-BA-H) (SEE NOTE 4)	508762	1
	CROSSARM - CHANNEL, 180x75x9600mm, GALVANISED (RCP-BA-L) (SEE NOTE 4)	508762	
3	FOOTING - CONCRETE POLE, ARRANGEMENT (SEE NOTE 1)	512331	2
2	EARTHING - CONCRETE/STEEL, MULTIPLE POLE, BUTT, ARRANGEMENT	520210	1
1	POLE - CONCRETE (AS REQUIRED)		2

ITEM	DESCRIPTION	DRG.No.	QTY
SCALE	1:25	STANDARD CONSTRUCTION	
DESIGNED	-	132kV HORIZONTAL 'H' POLE ANGLE	
DRAWN	E.C.	SUSPENSION CONSTRUCTION	
CHECKED	B.W.B.	WITH TWIN OVERHEAD EARTHWIRE	
APPROVED	R.BREMME	RCP-BA	
DATE	24/05/95	SIZE	DRAWING No
PROJECT NUMBER	STD	A2	513051
PROJTRAK NUMBER	-	SHEET	01
		AMD	8

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS
DWN: PATRICIA RIOS
CHKD: PHILLIP JONES
DATE: 29/05/2014
DRAWING CHANGED TO STANDARD CONSTRUCTION.
OVERHEAD CHANGED TO OPGW.
NOTES & MATERIAL LIST AMENDED. AUSGRID BORDER ADDED.
APPD by: DOMINIC SHIELDS

NO.	DESCRIPTION
1	
2	
3	
4	
5	
6	
7	
8	

NETWORK STANDARD
Ausgrid
145 NEWCASTLE RD WALLSEND,
NSW 2287