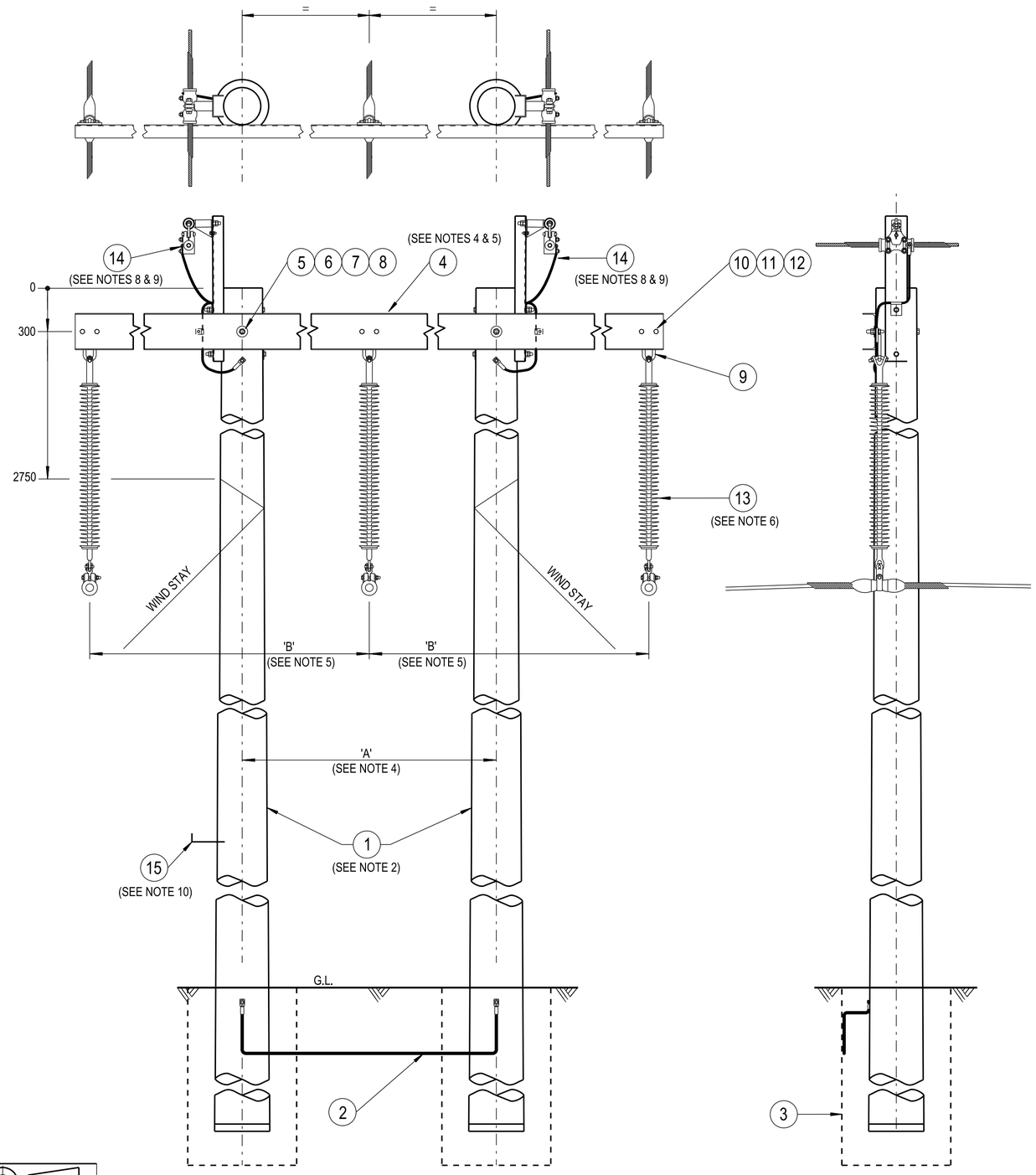

NOTES :

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. THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
4. POLES ARE TO BE ERECTED WITH A POLE CENTRE SEPARATION (DIMENSION 'A') OF 4400mm WHEN INSTALLING A 9000mm CROSSARM AND 5400mm WHEN INSTALLING AN 11000mm CROSSARM .
5. A PHASE SEPARATION (DIMENSION 'B') OF 4400mm EXISTS WHEN INSTALLING A 9000mm CROSSARM AND 5400mm WHEN INSTALLING AN 11000mm CROSSARM .
6. LONGROD INSULATORS TO BE USED UNDER NORMAL CONDITIONS.
7. STAYS TO BE INSTALLED SO THAT THE STAYWIRE CLEARANCE FROM THE PHASE CONDUCTORS COMPLIES WITH THE STATUTORY REQUIREMENTS.
8. ONLY THE OPGW OVERHEAD EARTHWIRE OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.
9. USE THE OPGW SUSPENSION ARRANGEMENT WHEN ERECTING AN OPGW OVERHEAD EARTHWIRE. USE THE STANDARD EARTHWIRE SUSPENSION ARRANGEMENT WHEN ERECTING A NON OPGW OVERHEAD EARTHWIRE.
10. 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
15	STEP - POLE (SEE NOTE 10)	514084	A/R
14	EARTHWIRE - SUSPENSION, OVERHEAD, MOUNTING, ARRANGEMENT (SEE NOTES 8 & 9)	512449	2
	OPGW - SUSPENSION, CONDUCTOR, MOUNTING, ARRANGEMENT -2a (SEE NOTES 8 & 9)	244708	
13	INSULATOR - LONGROD, 132kV, POLYMERIC STRING, ARRANGEMENT - 6 (SEE NOTE 6)	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, 250x90x11000mm, GALVANISED (RCP-AA-LH) (SEE NOTES 4 & 5)	507744	1
	CROSSARM - CHANNEL, 180x75x11000mm, GALVANISED (RCP-AA-LL) (SEE NOTES 4 & 5)	507744	
	CROSSARM - CHANNEL, 250x90x9000mm, GALVANISED (RCP-AA-NH) (SEE NOTES 4 & 5)	507743	
	CROSSARM - CHANNEL, 180x75x9000mm, GALVANISED (RCP-AA-NL) (SEE NOTES 4 & 5)	507743	
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

ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. DO NOT SCALE

CAD DRAWING
DO NOT MANUALLY AMEND

AMENDMENTS

DWN: PATRICIA RIOS
CHKED: PHILLIP JONES
16 DATE: 29/05/2014
CHANGED OVERHEAD LINE SUSPENSION ARRANGEMENT. SHEW CHANGED TO OPGW. NOTES & MATERIAL LIST AMENDED. AUSGRID BORDER ADDED.
APP'D by: DOMINIC SHIELDS

ASSOCIATED DRAWINGS

NETWORK STANDARD
Ausgrid
145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	1:25
DESIGNED	-
DRAWN	P.S
CHECKED	P.A.S
APPROVED	R.BREMMELL
DATE	24/05/95
PROJECT NUMBER	STD
PROJTRAK NUMBER	-

STANDARD CONSTRUCTION
132kV HORIZONTAL 'H' POLE
SUSPENSION CONSTRUCTION
WITH TWIN OVERHEAD EARTHWIRE
RCP-AA

SIZE	DRAWING No	SHEET	AMD
A2	513049	01	16

20110901