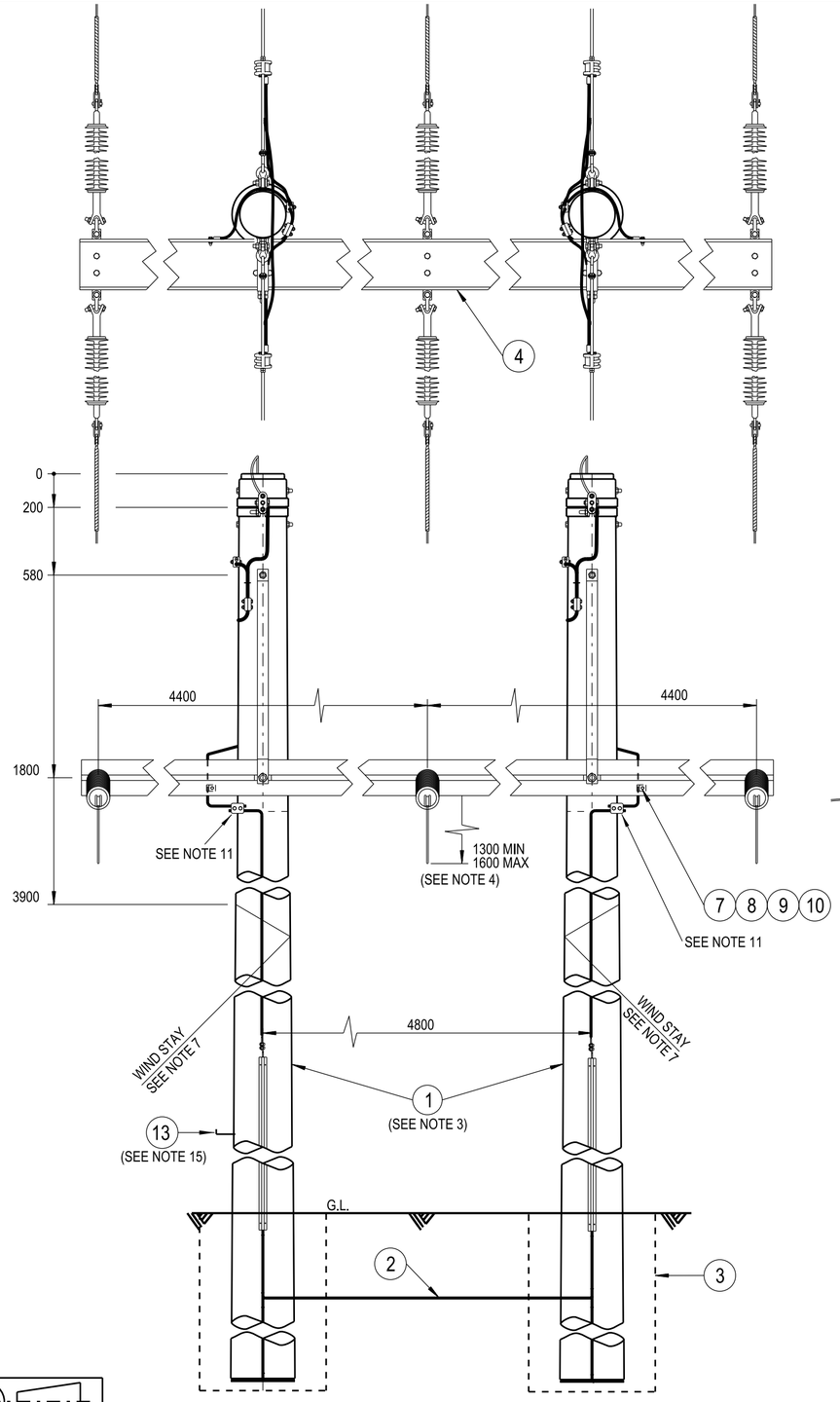

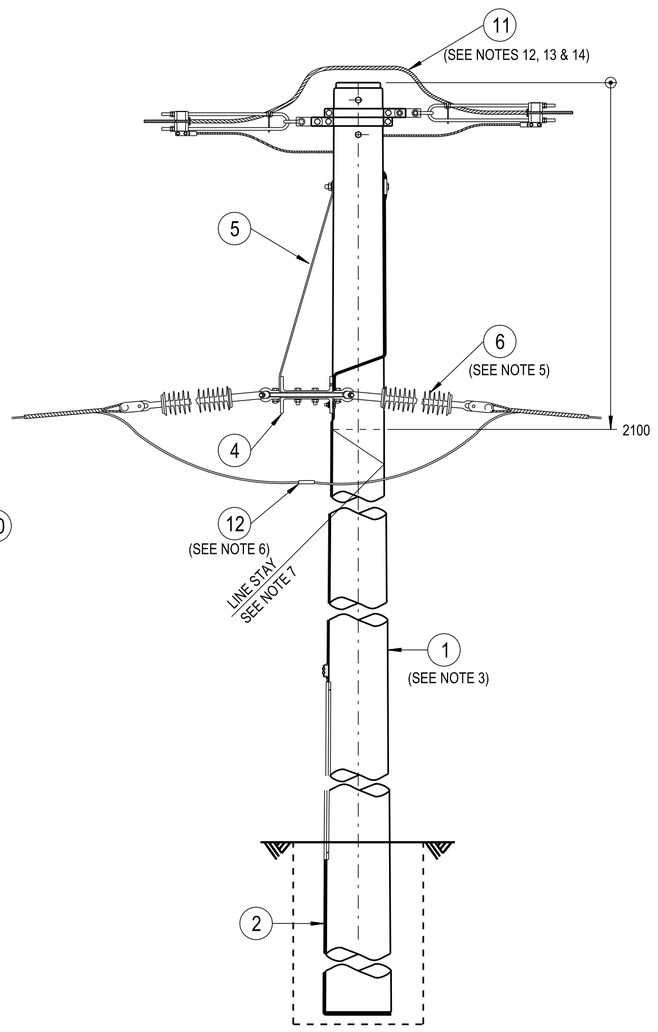

NOTES :

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. THIS STRUCTURE IS USED FOR LINE DEVIATION ANGLES UP TO 100°.
3. THE STRUCTURE SHALL BE ERECTED SO THAT THE POLES ARE VERTICAL,THE TOPS OF POLES ARE LEVEL AND THE CROSSARM IS HORIZONTAL.
4. THE PHASE CONDUCTOR TAPPING SAG IS TO BE A MINIMUM OF 1300mm AND A MAXIMUM OF 1600mm.
5. LONGROD INSULATORS TO BE USED UNDER NORMAL CONDITIONS.
6. NON-TENSION COMPRESSION JOINTS TO BE USED WHEN REQUIRED TO JOIN CONDUCTORS.
7. STAYS TO BE INSTALLED SO THAT THE STAYWIRE CLEARANCE FROM THE PHASE CONDUCTORS COMPLIES WITH THE STATUTORY REQUIREMENTS.
8. ALL BOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
9. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
10. 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 EARTH CONNECTION.
11. BI-METALLIC PARALLEL GROOVE CLAMP TO BE INSTALLED WITH COPPER CONDUCTOR BELOW ALUMINIUM CONDUCTOR SO THAT COPPER SALTS DO NOT WASH ONTO THE ALUMINIUM CONDUCTOR.
12. ONLY THE OPGW THROUGH TERMINATION OVERHEAD EARTHWIRE OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.
13. USE THE OPGW THROUGH TERMINATION ARRANGEMENT WHEN ERECTING AN UNBROKEN OPGW OVERHEAD EARTHWIRE. USE THE OPGW THROUGH SPLICE BOX TERMINATION ARRANGEMENT WHEN BREAKING AN OPGW OVERHEAD EARTHWIRE. USE THE STANDARD EARTHWIRE TERMINATION ARRANGEMENT WHEN ERECTING A NON OPGW OVERHEAD EARTHWIRE.
14. WHEN USING THE OPGW THROUGH SPLICE BOX TERMINATION ARRANGEMENT, REFER TO DRAWING 565743 FOR SPLICE BOX AND COILED CABLE BRACKET MOUNTING DETAILS.
15. 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.

ITEM	DESCRIPTION	DRG.No.	QTY
13	STEP - POLE (SEE NOTE 15)	517698	A/R
12	JOINT - COMPRESSION, NON TENSION (TO SUIT CONDUCTOR) (SEE NOTE 6)	514053	3
11	EARTHWIRE - TERMINATION, OVERHEAD, MOUNTING, ARRANGEMENT -2A (SEE NOTES 12 & 13)	519450	2
	OPGW - TERMINATION, CONDUCTOR, MOUNTING, ARRANGEMENT -2C (SEE NOTES 12, 13 & 14)	565747	
	OPGW - TERMINATION, CONDUCTOR, MOUNTING, ARRANGEMENT -2A (SEE NOTES 12 & 13)	565747	
10	WASHER - SPRING, M12, GALVANISED	518082	2
9	WASHER - FLAT, M12, GALVANISED	518081	4
8	BOLT & NUT - M12 x 40mm, HEX., GALVANISED	515466	2
7	CLIP - OFFSET EARTHING (Ø14mm HOLE)	507734	2
6	INSULATOR - LONGROD, 132kV, POLYMERIC STRING, ARRANGEMENT -5 (SEE NOTE 5)	520314	6
5	STRAP - CROSSARM SUPPORT, OVERHEAD, INSTALLATION, ARRANGEMENT -2	520269	2
4	CROSSARM - 132kV, TENSION ASSEMBLY, TYPE CA	507789	1
3	FOOTING - TIMBER POLE, ARRANGEMENT (SEE NOTE 1)	508726	2
2	EARTHING - TIMBER, MULTIPLE POLE, ARRANGEMENT	520225	1
1	POLE - TIMBER, TYPE, WP-5 (AS REQUIRED)	507730	2

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

CAD DRAWING
DO NOT MANUALLY AMEND

AMENDMENTS
DWN. P.S. CHKED: P.A.S.
DATE: 6 -1- 97
D REDRAWN ON CAD.
MATERIAL LIST AMENDED.
AUTH'D by: G.SKINNER

DWN: GARY HUGHES
CHKED: PHILLIP JONES
DATE: 08/08/2013
DRAWING NUMBER UPDATED.
DRAWING BORDER UPDATED.
DISCS CHANGED TO LONGRODS.
NOTES & MATERIAL LIST
AMENDED. OPGW SHOWN.
5
APP'D by: DOMINIC SHIELDS

OPGW CONDUCTOR SPLICE BOX & COILED CABLE BRACKET MTG ARRANGEMENT	565743

ASSOCIATED DRAWINGS

NETWORK STANDARD
Ausgrid

145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	1.25
DESIGNED	E.C
DRAWN	P.S.
CHECKED	P.A.S.
APPROVED	G SKINNER
DATE	06/01/97
PROJECT NUMBER	STD
PROJTRAK NUMBER	

STANDARD CONSTRUCTION
132kV 'H' POLE TERMINATION CONSTRUCTION
WITH TWIN OVERHEAD EARTHWIRE
WP-CA

SIZE	DRAWING No	SHEET	AMD
A2	507780	01	5

20110901