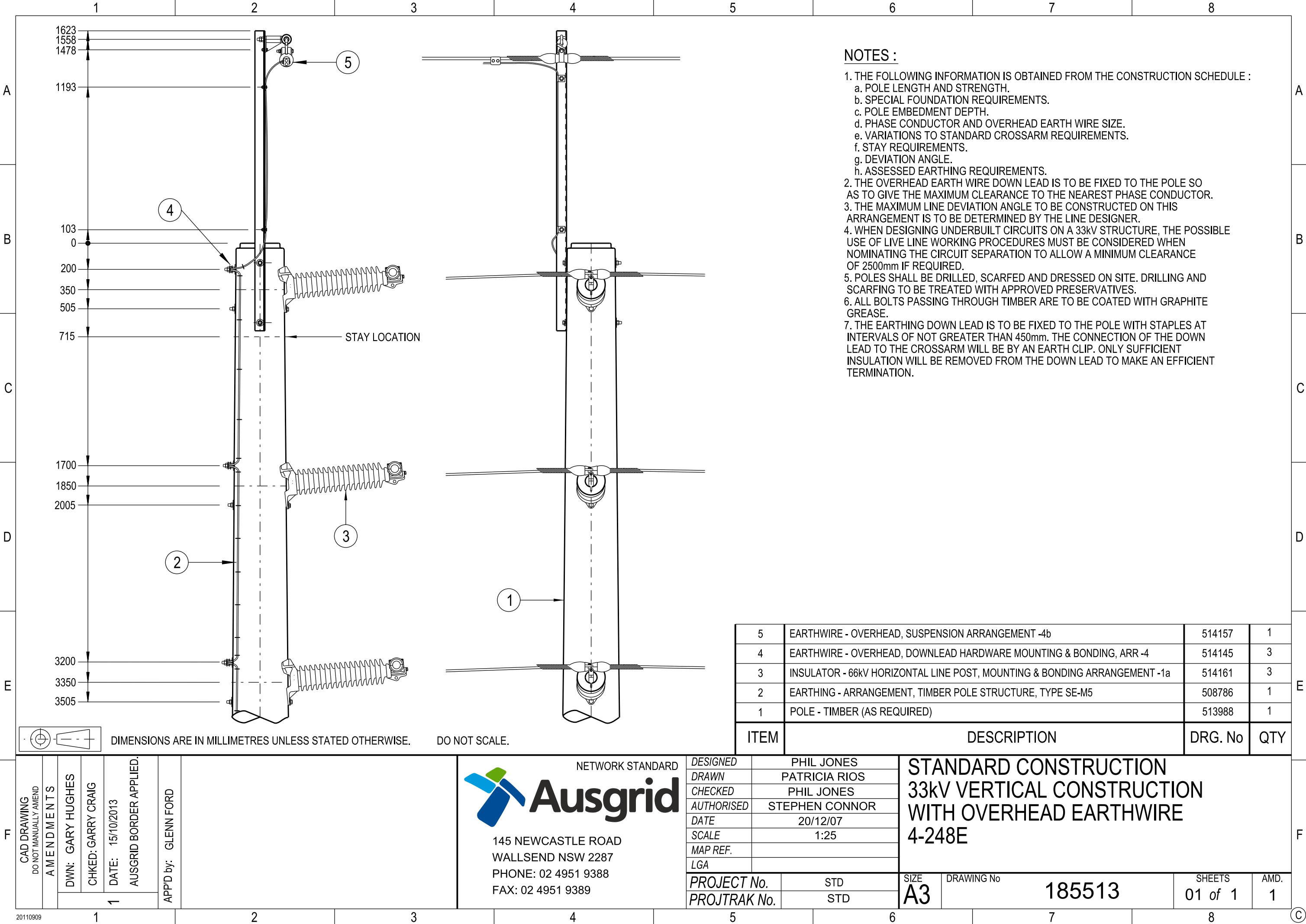


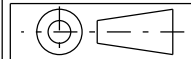


NOTES :

1. THE FOLLOWING INFORMATION IS OBTAINED FROM THE CONSTRUCTION SCHEDULE :
 - a. POLE LENGTH AND STRENGTH.
 - b. SPECIAL FOUNDATION REQUIREMENTS.
 - c. POLE EMBEDMENT DEPTH.
 - d. PHASE CONDUCTOR AND OVERHEAD EARTH WIRE SIZE.
 - e. VARIATIONS TO STANDARD CROSSARM REQUIREMENTS.
 - f. STAY REQUIREMENTS.
 - g. DEVIATION ANGLE.
 - h. ASSESSED EARTHING REQUIREMENTS.
2. 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.
3. THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
4. WHEN DESIGNING UNDERBUILT CIRCUITS ON A 33kV STRUCTURE, THE POSSIBLE USE OF LIVE LINE WORKING PROCEDURES MUST BE CONSIDERED WHEN NOMINATING THE CIRCUIT SEPARATION TO ALLOW A MINIMUM CLEARANCE OF 2500mm IF REQUIRED.
5. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
6. ALL BOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
7. THE EARTHING DOWN LEAD IS TO BE FIXED TO THE POLE WITH STAPLES AT INTERVALS OF NOT GREATER THAN 450mm. THE CONNECTION OF THE DOWN LEAD TO THE CROSSARM WILL BE BY AN EARTH CLIP. ONLY SUFFICIENT INSULATION WILL BE REMOVED FROM THE DOWN LEAD TO MAKE AN EFFICIENT TERMINATION.

5	EARTHWIRE - OVERHEAD, SUSPENSION ARRANGEMENT -4b	514157	1
4	EARTHWIRE - OVERHEAD, DOWNLEAD HARDWARE MOUNTING & BONDING, ARR -4	514145	3
3	INSULATOR - 66kV HORIZONTAL LINE POST, MOUNTING & BONDING ARRANGEMENT -1a	514161	3
2	EARTHING - ARRANGEMENT, TIMBER POLE STRUCTURE, TYPE SE-M5	508786	1
1	POLE - TIMBER (AS REQUIRED)	513988	1

ITEM	DESCRIPTION	DRG. No	QTY
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DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. DO NOT SCALE.

CAD DRAWING DO NOT MANUALLY AMEND	AMENDMENTS	DWN: GARY HUGHES	CHKD: GARY CRAIG	DATE: 15/10/2013	AUSGRID BORDER APPLIED.	APP'D by: GLENN FORD
1	1					

NETWORK STANDARD

Ausgrid

145 NEWCASTLE ROAD
WALLSEND NSW 2287
PHONE: 02 4951 9388
FAX: 02 4951 9389

DESIGNED	PHIL JONES
DRAWN	PATRICIA RIOS
CHECKED	PHIL JONES
AUTHORISED	STEPHEN CONNOR
DATE	20/12/07
SCALE	1:25
MAP REF.	
LGA	
PROJECT No.	STD
PROJTRAK No.	STD

STANDARD CONSTRUCTION
33kV VERTICAL CONSTRUCTION
WITH OVERHEAD EARTHWIRE
4-248E

SIZE	DRAWING No	SHEETS	AMD.
A3	185513	01 of 1	1