

Legend

- - Pole
- X● - Guy
- | - Stub Pole Blocked (No Backer)
- | - Breast Block & Heel Block
- X●-| - Stub Pole Guyed
- X● - Guy Short (Special)
- △ - Pole Mounted Transformer
- (Red) - Proposed 11 kV Overhead Line
- (Pink Dashed) - Existing 11 kV Overhead Line

Notes

Design Complies With N.Z.E.C.P. 34: 1993
Westpower Project No. 41035

ISS A	AMENDMENT	BY	CHKD	APP	Date	Design	J.P.W.	26/01/2010	 ElectroNet Services 146 Tainui Street Greymouth ElectroNet	<h2 style="margin: 0;">NELSON CREEK</h2> <h3 style="margin: 0;">11kV LINE RECONSTRUCTION NELSON CREEK ROAD STAGE III</h3>	Scale	1:7,500	<b style="font-size: 24px;">8057	<b style="font-size: 24px;">A
	As Built - Strain added pole 5 and ABS added Pole 3	J.M.			06/23	Drawn	J.P.W.	26/01/2010			Sheet	1 of 1 Sheets		
						Checked					Folder	847		
						Approved					Issue			

OVERHEAD POWER LINE SCHEDULE

Job Number:-



ElectroNet

Construction for :- **11,000V 3ph Line Reconstruction**
 Works Located at :- **Nelson Creek Road**
From NNCK 0330 to NNCK 0680
Westpower Project No. 41035

Designed:- JPW Date: 27 / 01 / 2010
 Recommend:- JKM Date: 27/01/2010
 Approved:- _____ Date: / / 2010

Constructed :- _____ Date: / / 2010
 Variations :- JM Date 19 /06/2023

Design Complies With N.Z.E.C.P. 34: 1993

Conductor :- **11,000V 3ph Existing Mullet A.C.S.R.**

New Pole Number	Peg No.	Construction Drawing Number	Pole Details			Span (m)	Angle (Deg)	Blk or Guy	ARMS						Peg No.	Remarks
			Material	Type	Length (m)				33kV No.	33kV Length	11kV No.	11kV Length	400V No.	400V Length		
34538	0	STD495	Stresscrete	105B	10.6	52	5.82	Ex Guy			2	Exist			0	Exist Stresscrete Pole No. 34538 (3 way Strain & DDOs)
38460	1	STD110	Stresscrete	105B	10.6	107	7.34	Blk			2	2000			1	0.8m From Fence Line
38461	2	STD477	Stresscrete	105B	10.6	106	1.78	Blk			1	2000	2	1500	2	Near Exist Pole (SUB & 2 ph O/H Service, 1 ph U/G Service) See Note C
38462	3	STD056	Stresscrete	105B	10.6	81	0				1	2000			3	5m From Edge Of Formation (ABS DD76)
38463	4	STD227	Stresscrete	105B	10.6	83	0	Guy			1	2000			4	3m From Exist. Pole Under Guy (11kV T/O & DDOs) See Notes D, F & L
38464	5	STD114	Stresscrete	105B	10.6	102	0				2	2000			5	3m From Exist. Pole
38465	6	STD109	Stresscrete	105B	10.6	151	0				1	2400			6	12m From Fence Line Crossing Potts Creek
38466	7	STD110	Stresscrete	105B	10.6	138	15.58	Guy			2	2000			7	2.5m From Exist. Pole See Notes G & L
38468	8	STD555	Stresscrete	106	12.2	138	0	Guy			1	2400			8	Near Exist Pole (11kV T/O) See Notes F, H, J & L
38469	9	STD311	Stresscrete	106	12.2	192	0				2	2700	2	1500	9	2m From Exist. Pole (SUB & 2xU/G Services) See Note E
38470	10	STD556	Stresscrete	106	12.2	148	0				2	2400			10	1m From Exist. Pole See Note M
33193	11	STD191	Stresscrete	105B	10.6	199	0.56				1	Exist	2	Exist	11	Exist. Stresscrete Pole No. 33193 (SUB & 1x U/G Service) See Note J
38468	8														8	See Above
4412	12	STD303	Concrete	Hokitika	10.6	68	0	Blk			2	Exist	2	Exist	12	Exist Concrete Pole No. 4412 (SUB & 1 ph O/H Service) See Note I

For Notes See Page 2

N.B

- A** Telecom Cables **MUST BE** Located Before Any Work Commences.
- B** Water Services **MUST BE** Located Before Any Work Commences.
- C** Reconstruct S1546 (1 phase 15 kVA) with DDOs & Arrestors
- D** Use Amp Joints to Connect to DDO Fuse Units (DD64) Controlling Takeoff.
- E** Fit Vibration Dampers, As Per Manufacturer's Specifications To This Span (1 set per span greater than 150m)
- F** 11 kV Takeoff, Guy Required, Use Wolf Core Guy Wire For Guy, See STD067 For Detail
- G** Angle Guy Required, Use Wolf Core Guy Wire For Guy, See STD067 For Details.
- H** Use Amp Joints to Connect To Takeoff
- I** Existing Strain Guy Damaged, Replace Guy By Installing Breast Block
- J** Tri-configuration, Fit X-Arm At Closest Hole To 640 mm From The Top Hole.
- L** Install Wooden Guy Fence On This Guy, See Drawing 6996 For Details
- M** Reconstruct S653 (1 phase 15 kVA) with DDOs & Arrestors
- N** Use Wolf Core Guy Wire For Guys, See STD067 For Details.
- O** All earthing shall be carried out in accordance with the Westpower Earthing Handbook.
- P** Mix 1 Bag Of Cement With The Fill Around Pole, Compacted By The Approved Method.
- Q** All Materials and Construction Methods must comply with the Westpower Design Standards 8/98

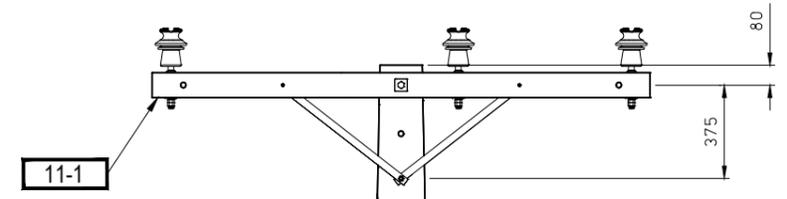
See drawing number 8057 for construction details.

Westpower Notification Number 449 was issued on 27-01-2010 and has been sent to all effected utilities pursuant to Section 25 of the Electricity Act 1993.

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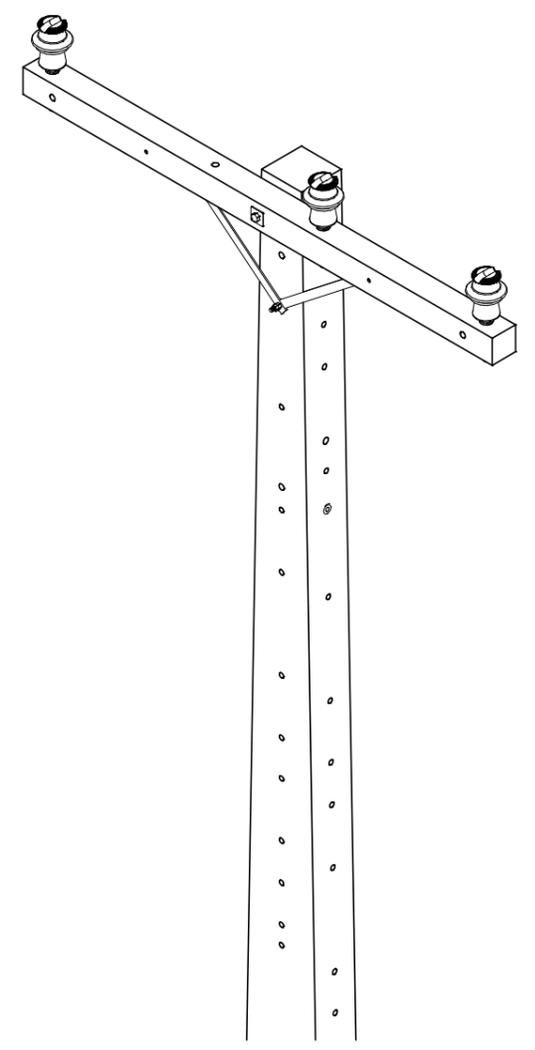
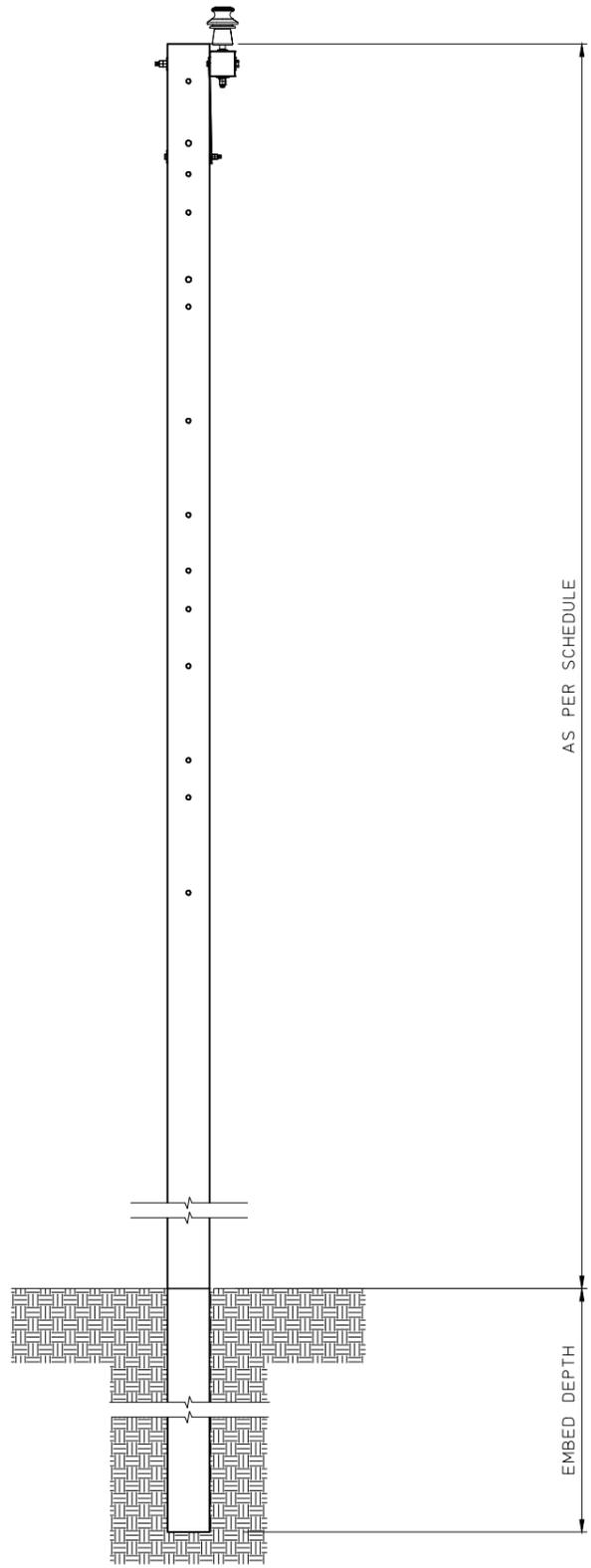
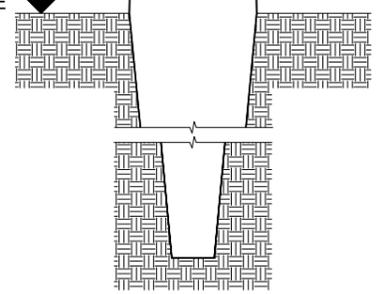
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NOTES

- POLE TO BE FITTED WITH A DANGER PLATE ON ROAD FACE.
- FIT OPOSSUM GUARD
- FIT CROSSARMS AS SPECIFIED IN LINE SCHEDULE
- ALTERNATE CENTRE 11 kV PIN INSULATOR FROM ONE SIDE OF POLE TO OTHER ALONG LINE
- POLE EMBED DEPTH VARIES WITH LENGTH OF POLE, REFER TO SUPPLIER SPECIFICATIONS
- FIT POLE CAP TO TOP OF ALL WOODEN POLES
- REFER TO DRAWING 9114 PERMANENT EARTHING INSTALLATION

GROUND LINE ▼



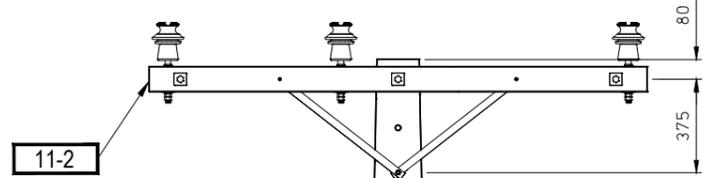
A2

AMENDMENT				BY	CHKD	APP	DATE	DRAWN	JPW	31/10/12	 ElectroNet DESIGN.BUILD.DELIVER 146 Tainui Street Greymouth	STANDARD POLE CONSTRUCTION		SCALE	1/20
								DESIGNED	JPW	31/10/12		11 kV SINGLE SUPPORT ON STRESSCRETE POLE		ISS.	STD109
								CHECKED							
								APPROVED							
								CAD FILE							FOLDER REF:

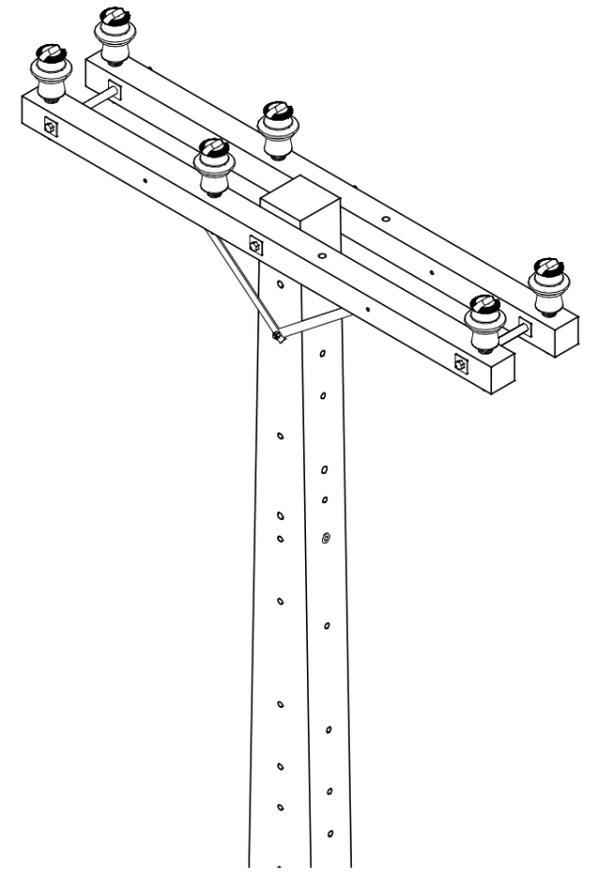
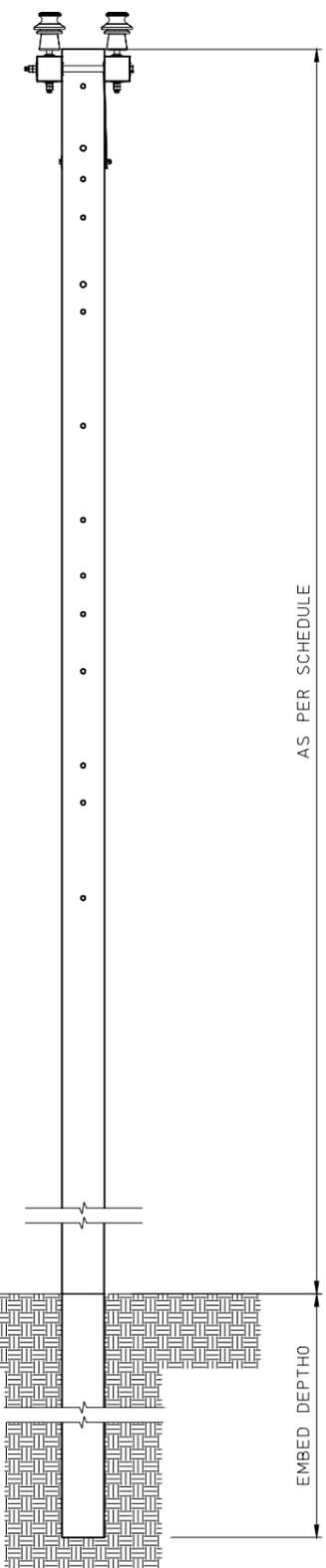
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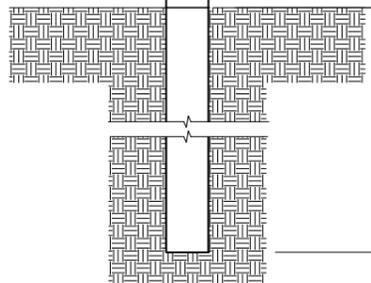
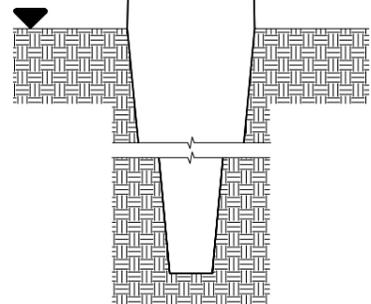
11-2



NOTES

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- FIT OPOSSUM GUARD
- FIT CROSSARMS AS SPECIFIED IN LINE SCHEDULE
- ALTERNATE CENTRE 11 KV PIN INSULATOR FROM ONE SIDE OF POLE TO OTHER ALONG LINE
- POLE EMBED DEPTH VARIES WITH LENGTH OF POLE, REFER TO SUPPLIER SPECIFICATIONS
- FIT POLE CAP TO TOP OF ALL WOODEN POLES
- REFER TO DRAWING 9114 PERMANENT EARTHING INSTALLATION

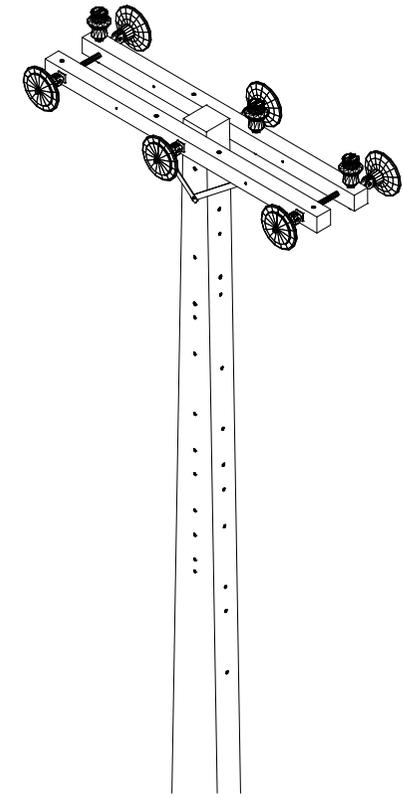
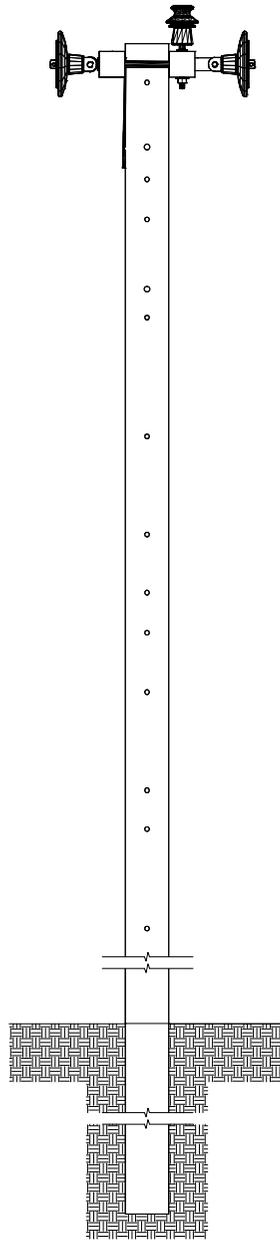
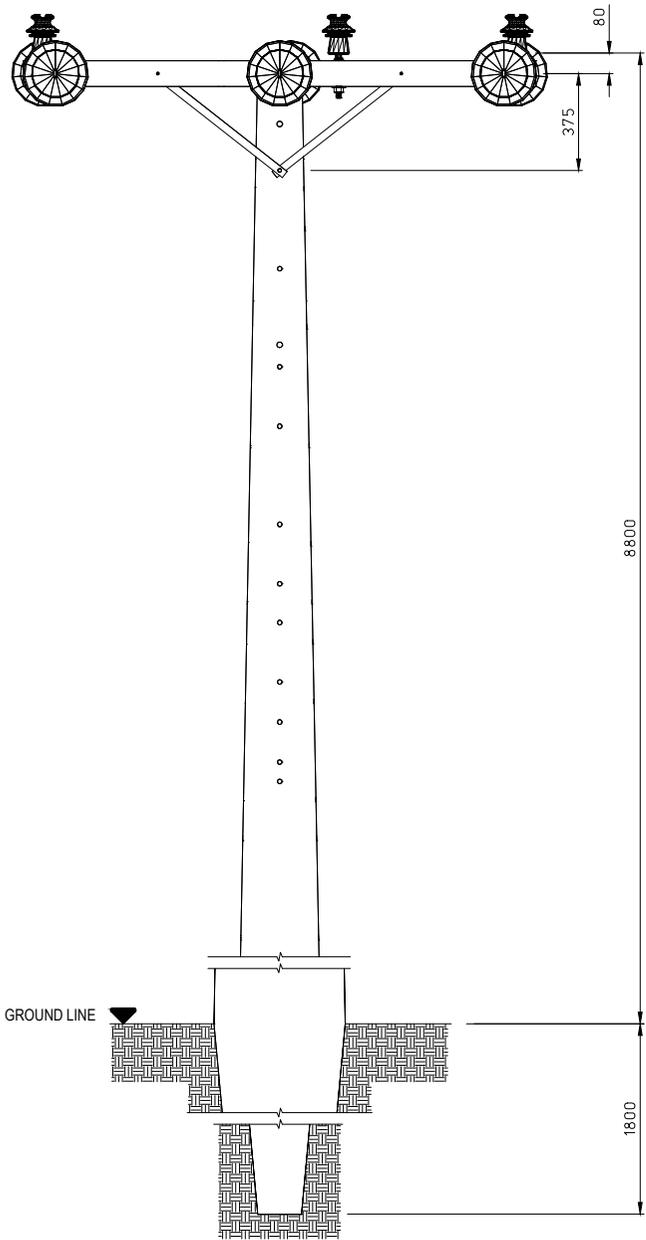
GROUND LINE



EMBED DEPTH

A2	AMENDMENT	BY	CHKD	APP	DATE	DRAWN DESIGNED CHECKED APPROVED CAD FILE	JPW JPW	12/10 12/10	 146 Tainui Street Greymouth	STANDARD POLE CONSTRUCTION 11 KV DOUBLE SUPPORT ON STRESSCRETE POLE	SCALE 1/20	ISS.
											STD110	FOLDER REF:

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GROUND LINE

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					JPW	JPW			

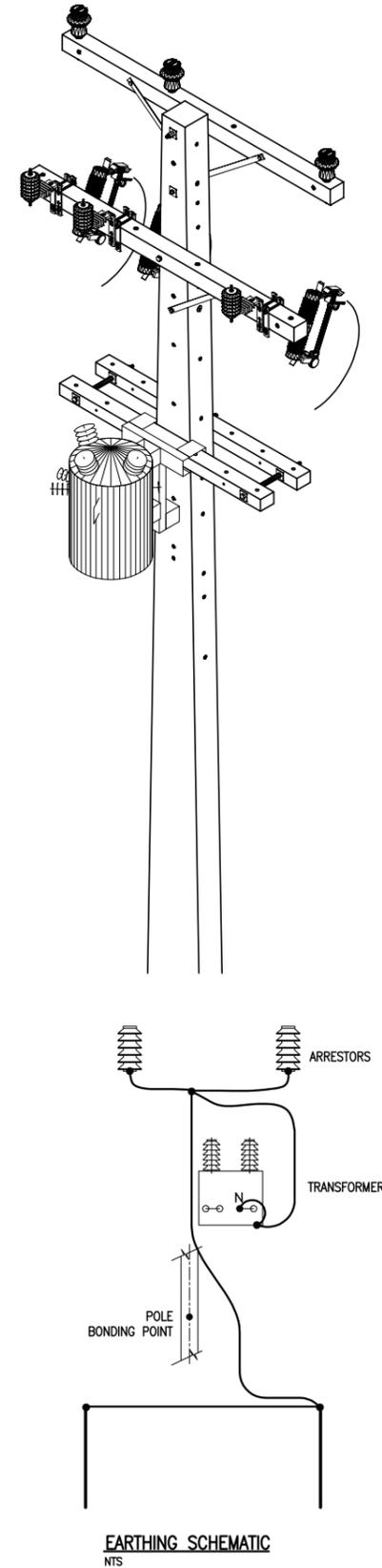
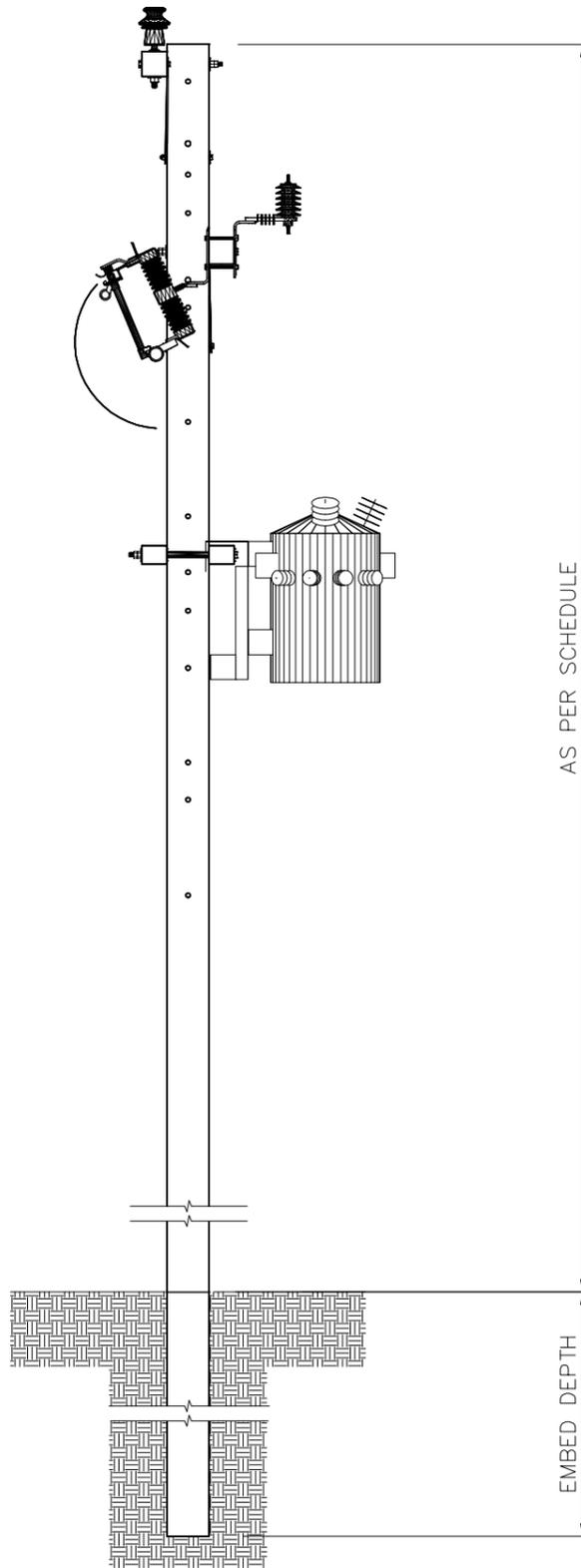
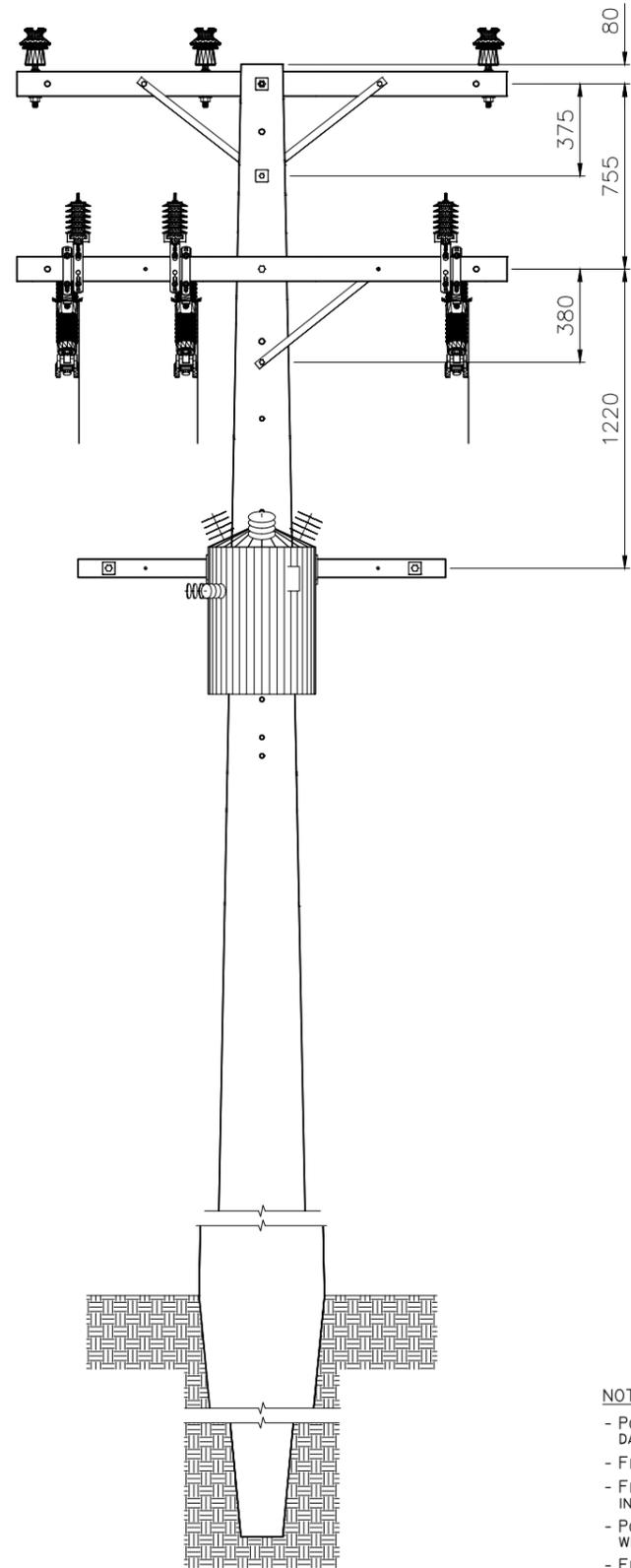
146 Tainui Street
Greymouth



STANDARD POLE STRUCTURE DRAWINGS		SCALE	1/15
11 kV TERMINATION 2 WAY STRONG POINT		STD114	ISS.
FOLDER REF:			

A2

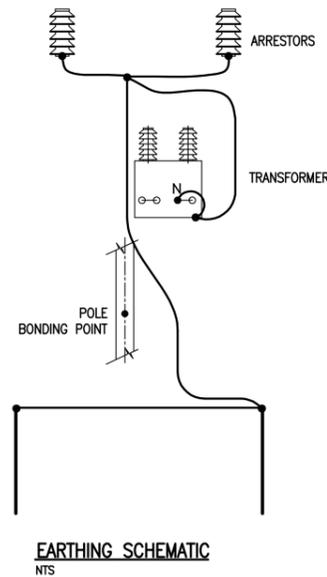
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- NOTE
- POLE TO BE FITTED WITH A DANGER PLATE ON ROAD FACE.
 - FIT OPOSSUM GUARD.
 - FIT CROSSARMS AS SPECIFIED IN SCHEDULE.
 - POLE EMBED DEPTH VARIES WITH LENGTH. REFER TO SUPPLIER.
 - FIT POLE CAP TO TOP OF ALL WOODEN POLES
 - REFER TO DRAWING 8452 EARTHING STANDARD

AS PER SCHEDULE

EMBED DEPTH



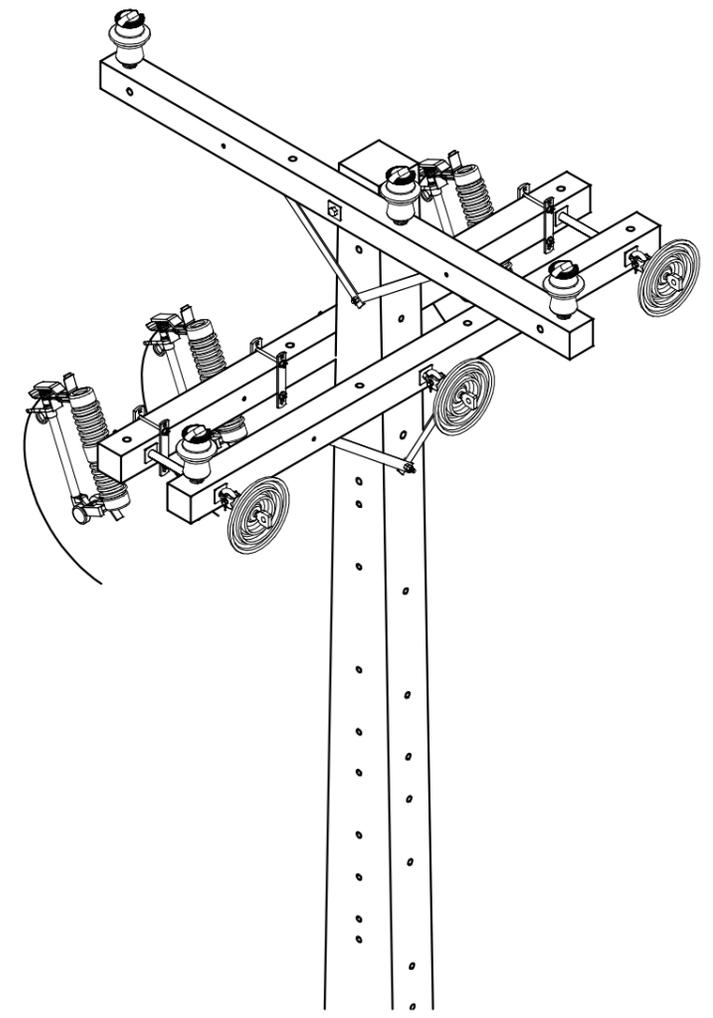
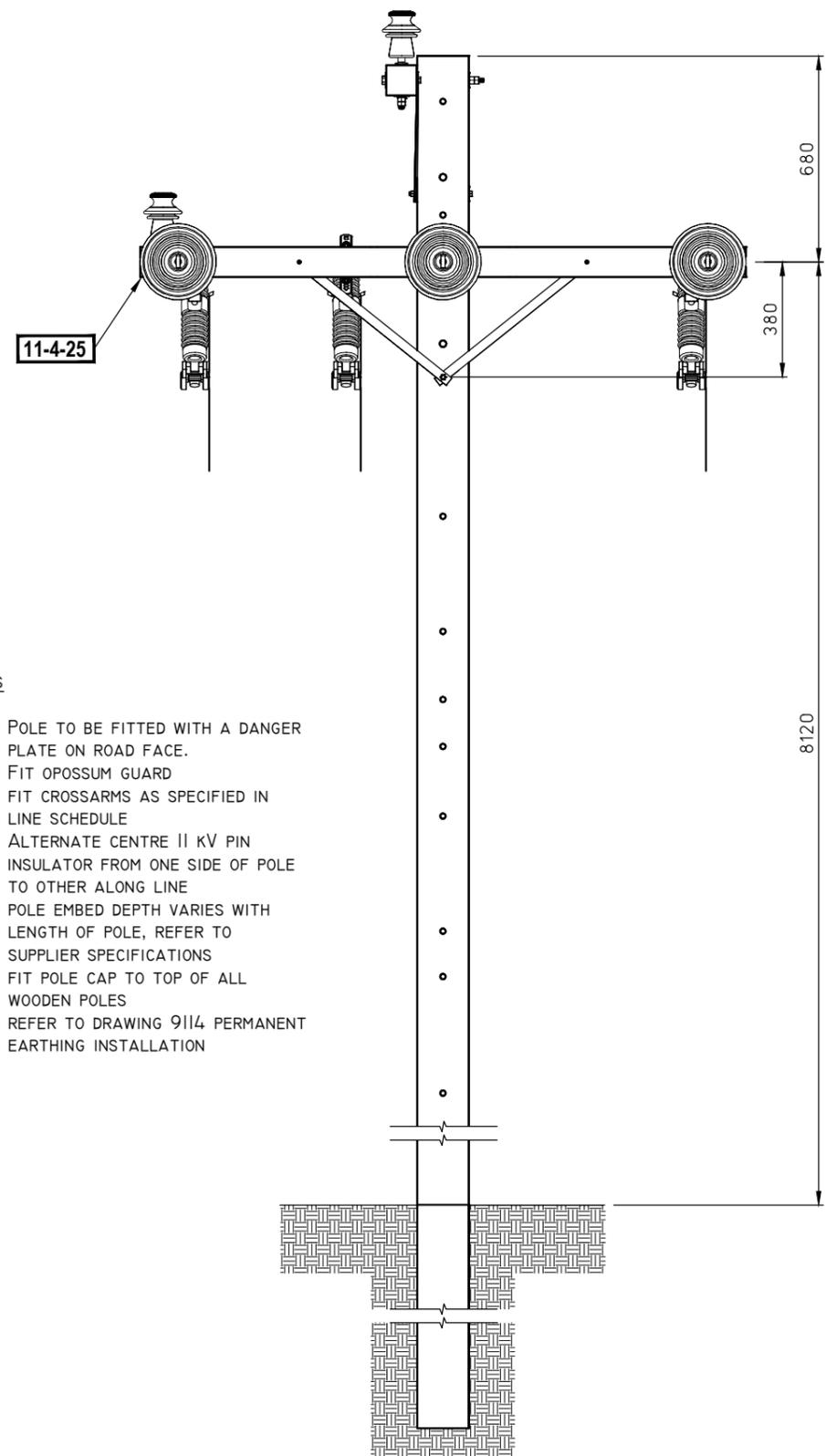
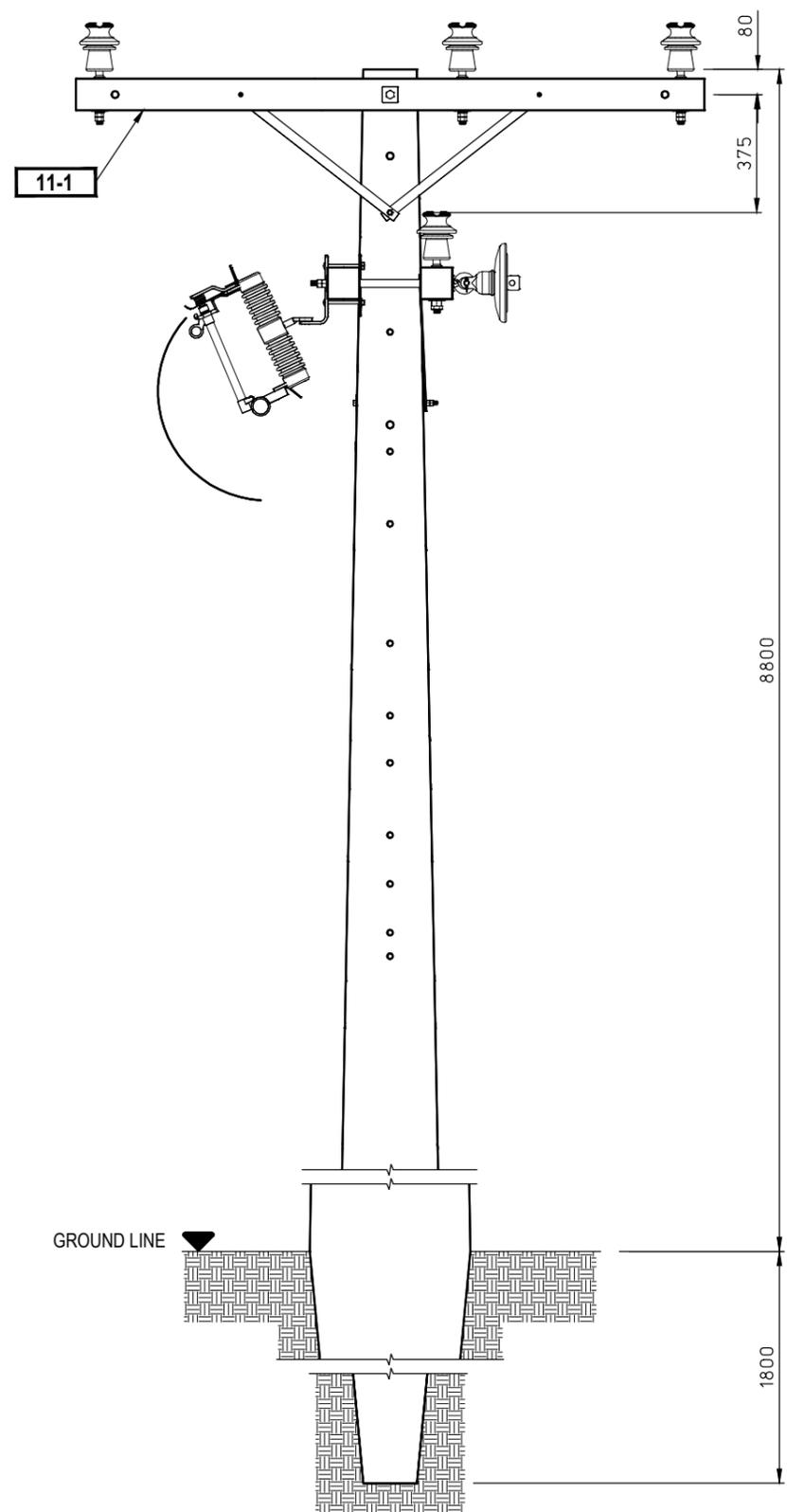
EARTHING SCHEMATIC
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A2	AMENDMENT	BY	CHKD	APP	DATE	DRAWN DESIGNED CHECKED APPROVED CAD FILE	JPW JPW	31/10/2012 31/10/2012	 146 Tainui Street Greymouth ElectroNet	STANDARD POLE STRUCTURE DRAWINGS	SCALE 1/20	ISS. STD191 FOLDER REF:
										11 kV SINGLE SUPPORT DDOS & ARRESTORS WITH TRANSFORMER		

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- NOTES**
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 - REFER TO DRAWING 9114 PERMANENT EARTHING INSTALLATION

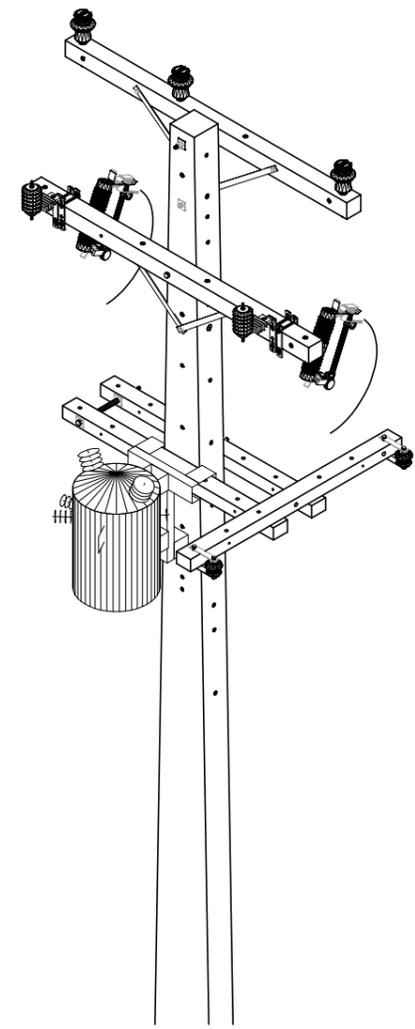
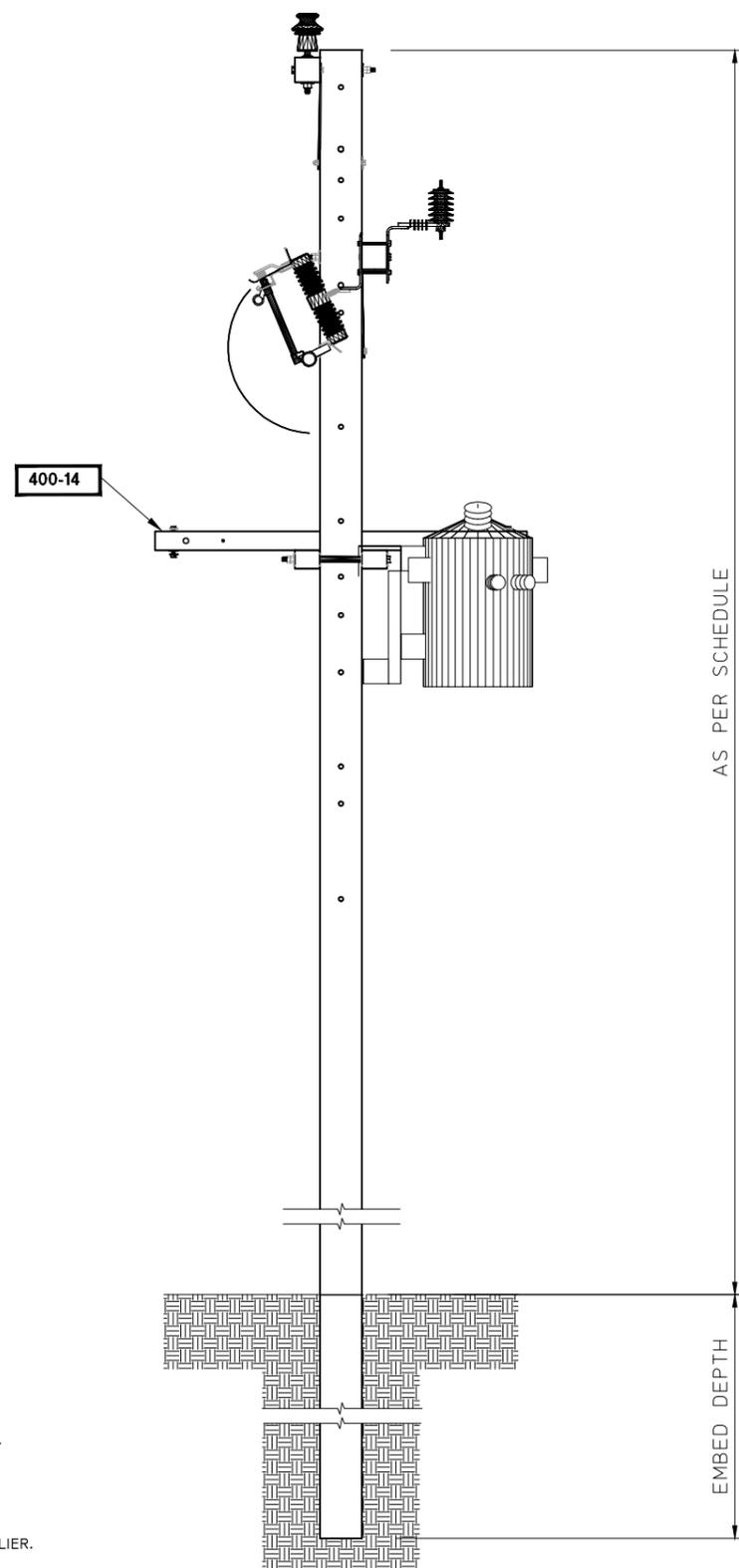
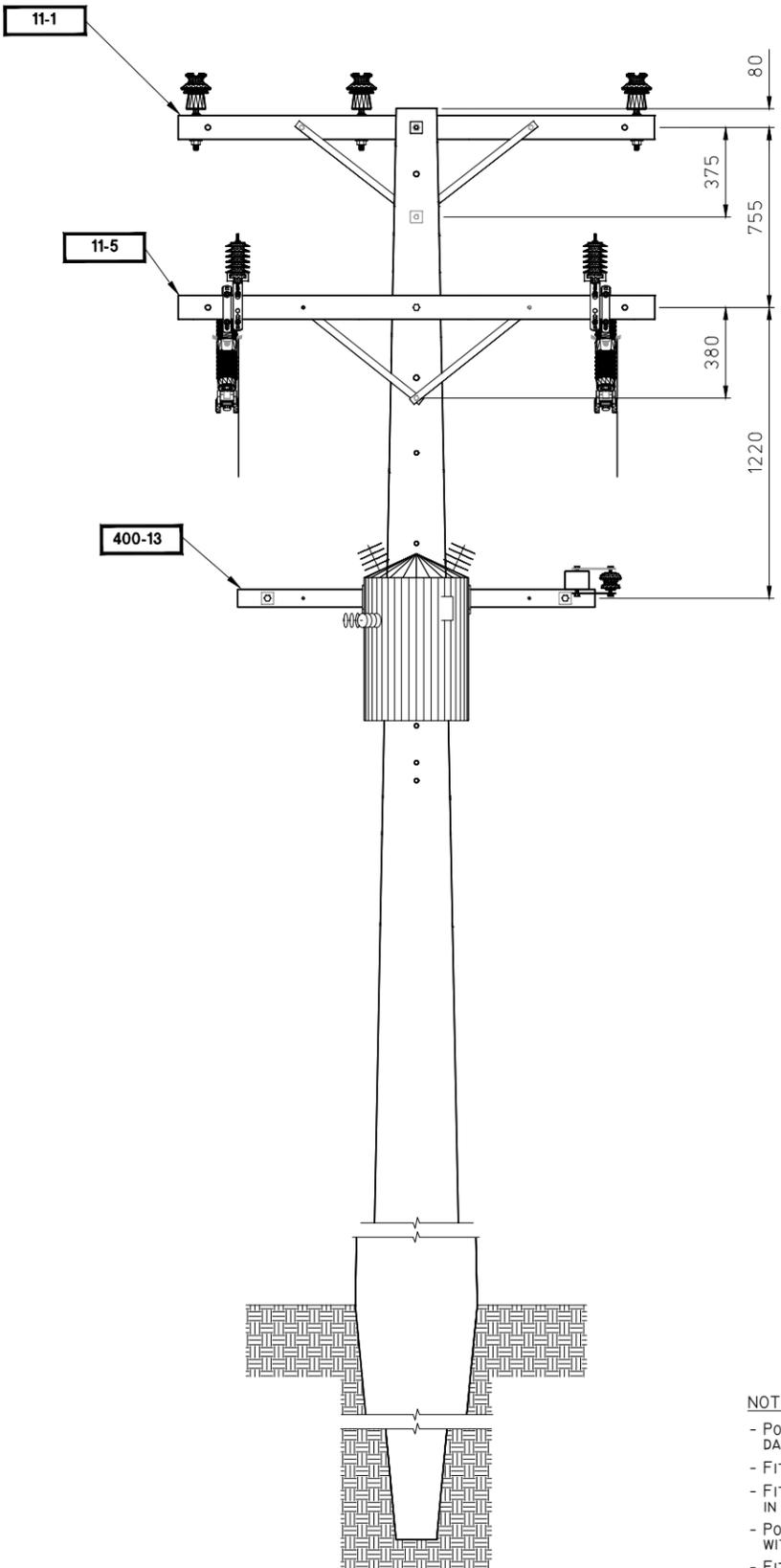
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					CHECKED			TERMINATION 1 WAY WITH DDO FUSE UNITS	FOLDER REF:	
					APPROVED					
					CAD FILE					

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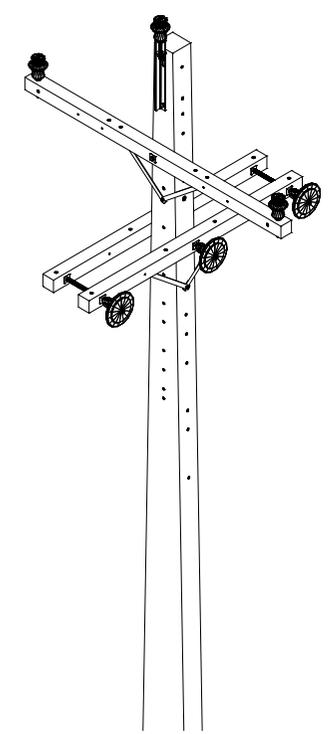
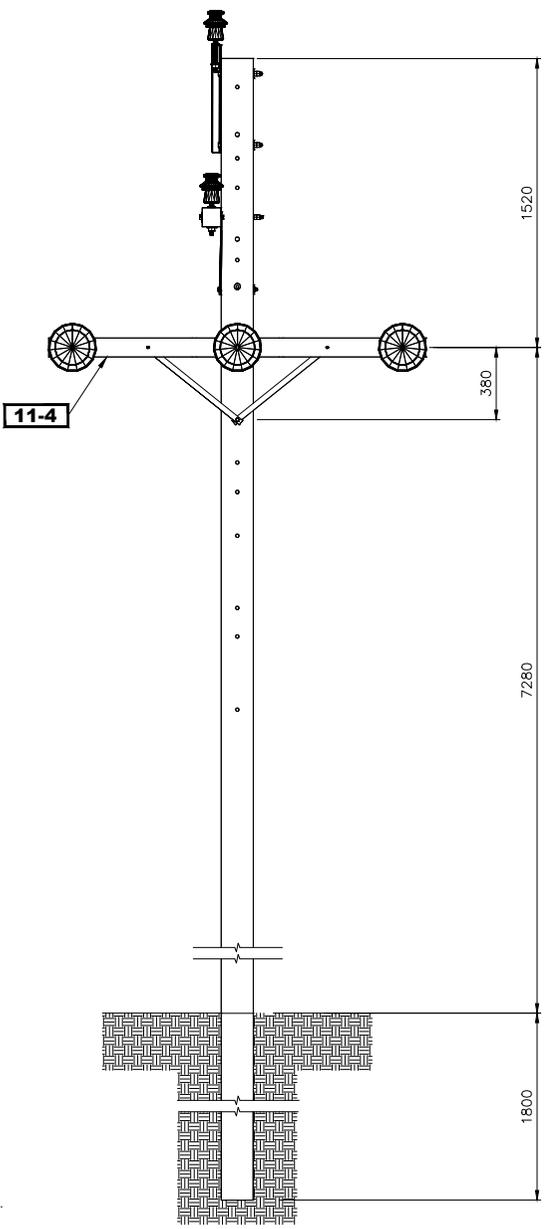
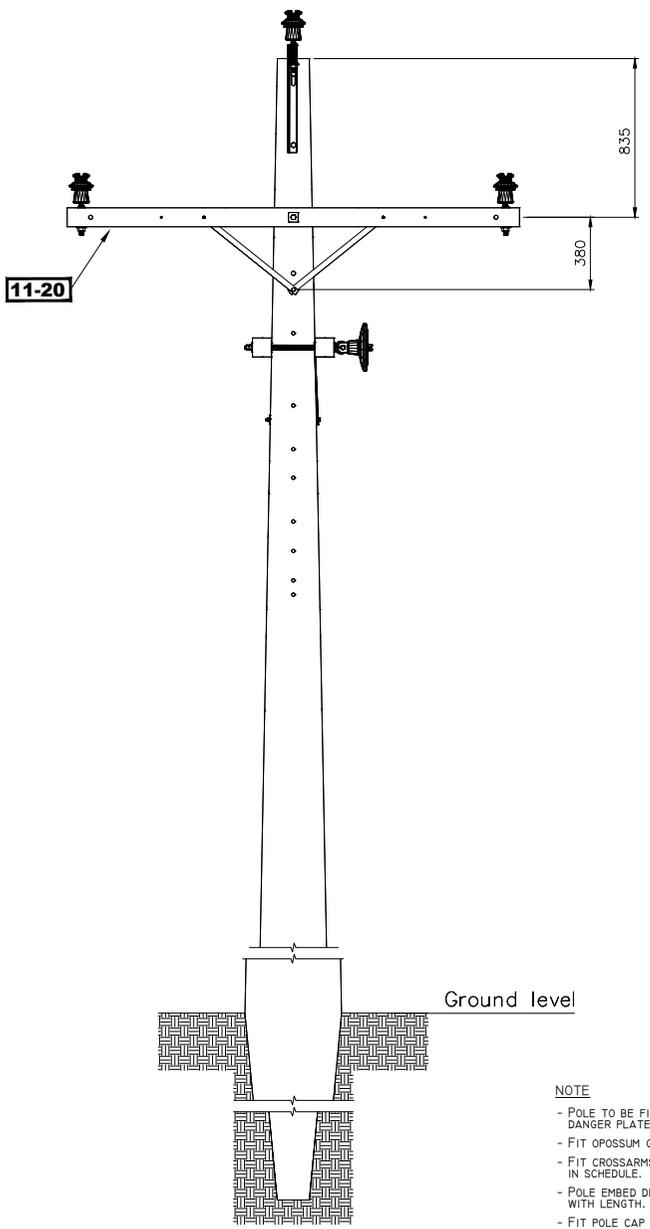
- NOTE**
- POLE TO BE FITTED WITH A DANGER PLATE ON ROAD FACE.
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 - POLE EMBED DEPTH VARIES WITH LENGTH. REFER TO SUPPLIER.
 - FIT POLE CAP TO TOP OF ALL WOODEN POLES

A2	AMENDMENT	BY	CHKD	APP	DATE	DRAWN DESIGNED CHECKED APPROVED CAD FILE	JPW JPW	31/10/2012 31/10/2012	 146 Tainui Street Greymouth ElectroNet	STANDARD POLE STRUCTURE DRAWINGS	SCALE	1/20	ISS.
											11 kV SINGLE SUPPORT- DDOS & ARRESTORS TRANSFORMER & LV TERMINATION ON BUCK ARM		

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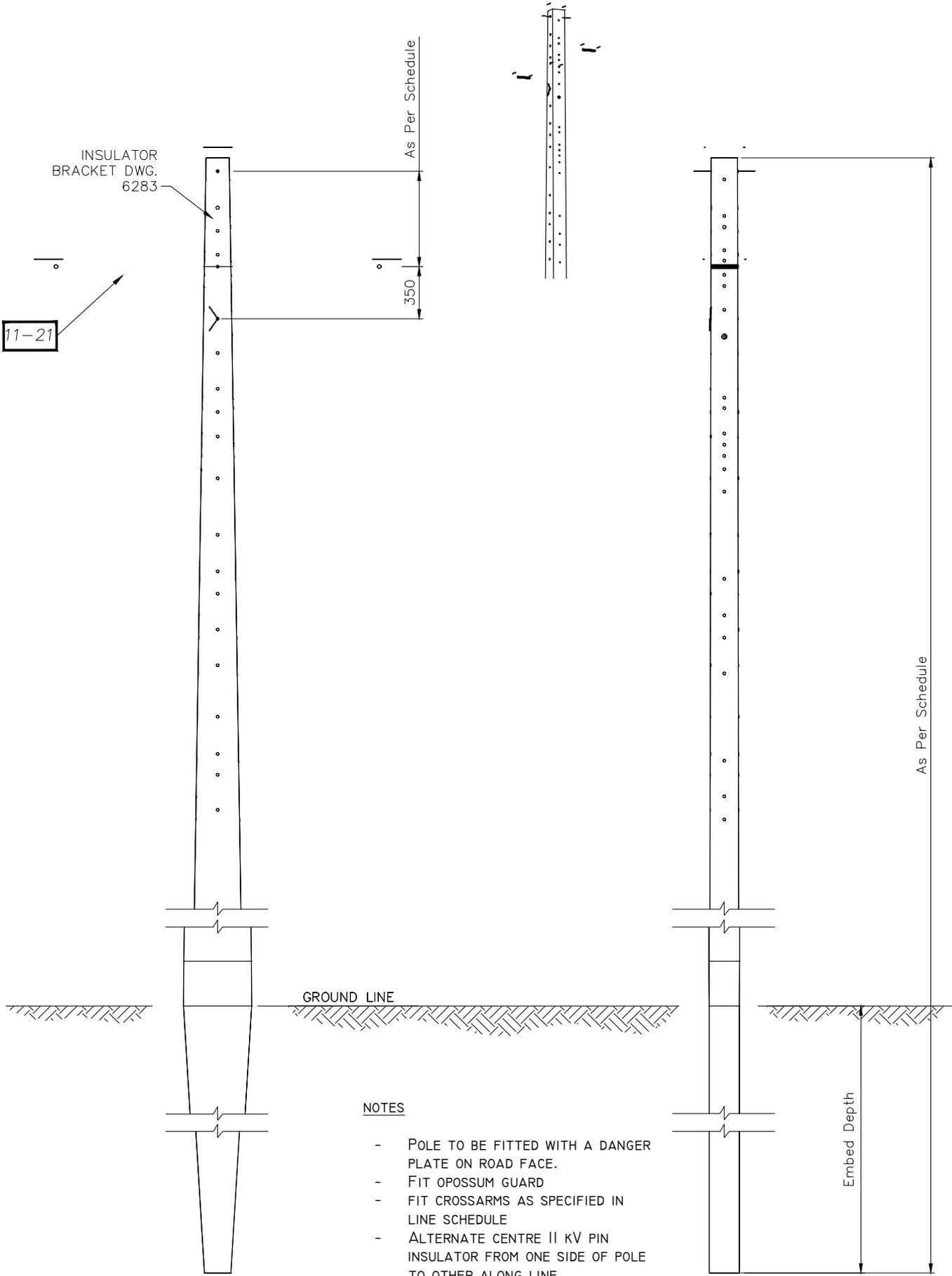


Ground level

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AMENDMENT				BY	CHKD	APP	DATE	DRAWN	JPW	31/10/2012	 146 Tainui Street Greymouth ElectroNet	STANDARD POLE STRUCTURE DRAWINGS		SCALE	1/20
								DESIGNED	JPW	31/10/2012		11 kV SINGLE SUPPORT TRI-CONFIGURATION		STD555	ISS.
								CHECKED				TERMINATION 1 WAY (10.6)			
								APPROVED						FOLDER REF:	
								CAD FILE							

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NOTES

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- FIT CROSSARMS AS SPECIFIED IN LINE SCHEDULE
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- FIT POLE CAP TO TOP OF ALL WOODEN POLES
- REFER TO DRAWING 9114 PERMANENT EARTHING INSTALLATION

Stresscrete (12.2)
11 kV Double Support Tri Configuration

STD 556

Revision Date: 15/01/2010

Checked by:

