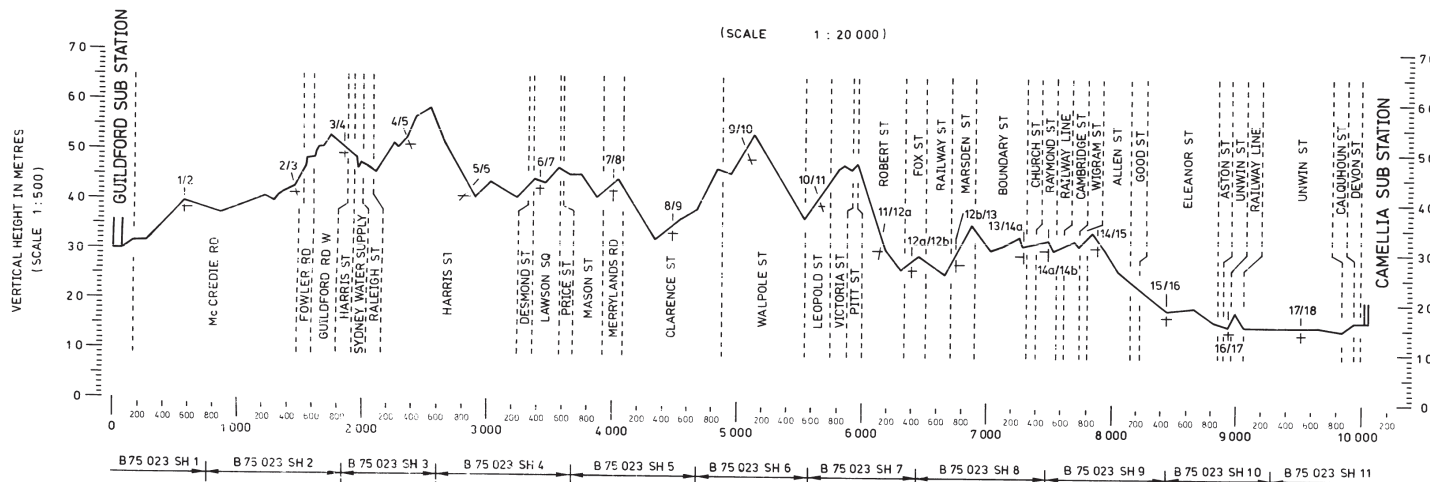


UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN METRES

This scale is to give form to the profile of the cable route only. Any lengths taken from the profile and measured along the scale will not give linear lengths of the cable route

(SCALE 1 : 20 000)



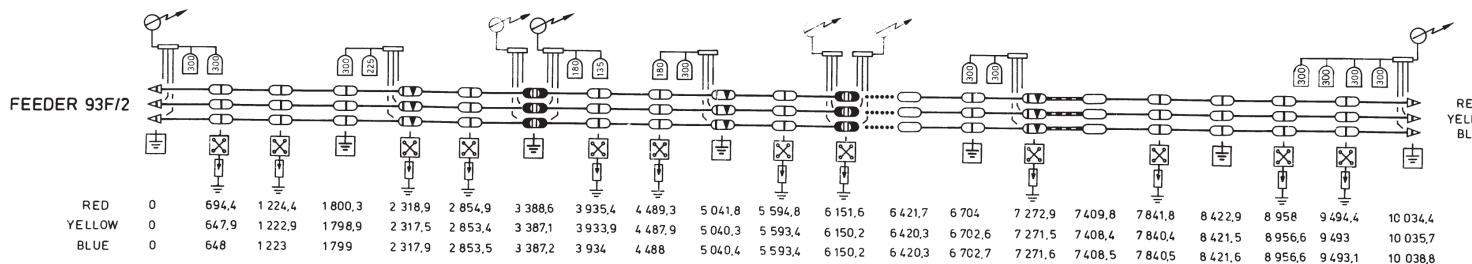
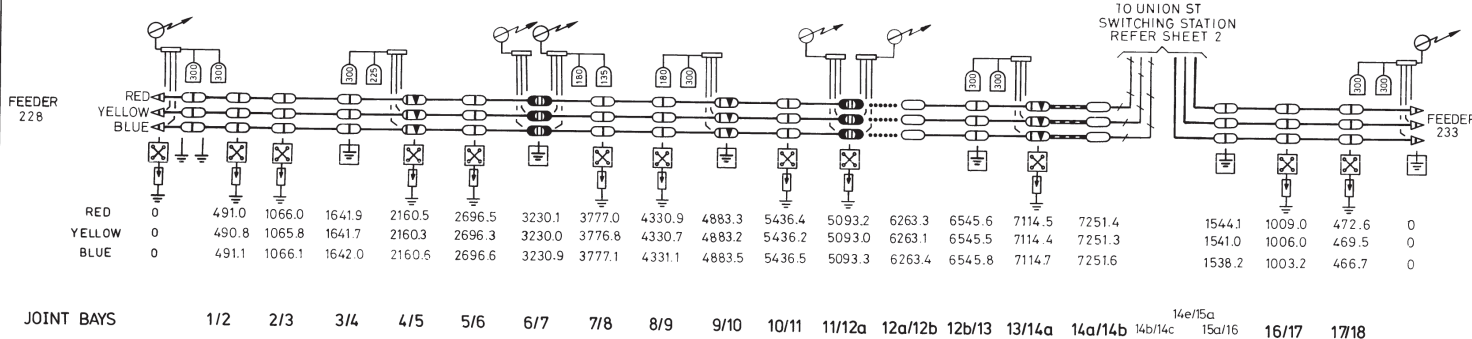
CONTRACT 1 352
INSTALLATION CONTRACTOR B.I.C.C.
CABLE MANUFACTURER B.I.C.C.
VOLTAGE 132 000
RATING
CABLE SIZES 645 mm² (1.00 SQ IN)
420 mm² (0.65 " ")
355 mm² (0.55 " ")

OIL VOLUMES			
SEALING END	LITRES	NORMAL JOINT	LITRES
STOP JOINT WITH INSULATING FLANGE	LITRES	INSULATING JOINT	LITRES
INSULATING AND FEED JOINT	LITRES		
CORES		SINGLE	SINGLE
CABLE SIZE		645 mm ²	420 mm ²
OIL CONTENT OF CABLE IN LITRES PER METRE		0.857	0.718
OIL DUCT DIAMETER		12 mm	12 mm

OIL ALARM AND EMERGENCY OPERATING PRESSURES				
LOCATION	SECTION	OIL TANKS AND CAPACITIES IN LITRES PER CIRCUIT	TANK PRE PRESSURE INDEX	ALARM PRESSURES kPa
GUILDFORD S.S.		2 X 300	3	248
JB 4/5		1 X 300 1 X 225	1.5	
JB 6/7		1 X 180 1 X 135	2	155
JB 9/10		1 X 180 1 X 300	1.5	
JB 13/14a		2 X 300	1.5	
JB 17/18		2 X 300	2.5	204

1 psi = 6.89 kPa

1 kPa = 0.145 psi



RED
YELLOW
BLUE

132kV 630mm² S.C. CU
XLPE CABLE

- LEGEND
- NORMAL JOINT
 - INSULATING JOINT
 - INSULATING & FEED JOINT
 - STOP JOINT WITH INSULATING FLANGE
 - △ SEALING END
 - ⊠ CROSS BONDING LINK BOX
 - ⊡ EARTHING LINK BOX
 - ⊞ SURGE DIVERTER
 - ⊞ OIL MANIFOLD
 - ⊞ OIL PRESSURE TANK SHOWING CAPACITY IN LITRES
 - ⊞ 132kV 0.55 SQ IN SC OF CABLE (355 SQ mm)
 - ⊞ 132kV 0.65 SQ IN SC OF CABLE (420 SQ mm)
 - ⊞ 132kV 1.00 SQ IN SC OF CABLE (645 SQ mm)
 - ⊞ PRESSURE GAUGE WITH ALARM

PROSPECT ELECTRICITY
DRG No. 86203
SHEET 1 OF 2

AMENDMENTS	ORIGINAL ISSUE
A	DATE 10/10/14
B	DATE 10/10/14
C	DATE 10/10/14
D	DATE 10/10/14
E	DATE 10/10/14
F	DATE 10/10/14
G	DATE 10/10/14
H	DATE 10/10/14



B 75 023
BICC LD 2 159
BICC XBD 2 159/B
(ECNSW CF 63 513)
D 48 493

REFERENCE DRAWINGS

COPIED FROM

SCALE AS SHOWN
DRAWN M. ROBERT
TRACED C. J. J. J.
CHECKED J. J. J. J.

THE ELECTRICITY COMMISSION OF N.S.W.
TRANSMISSION DIVISION

PROFILE & SCHEMATIC OF
THE GUILDFORD TO CAMELLIA
(FEEDERS 228, 233 & 93F/2)
132kV OIL FILLED
UNDERGROUND CABLES

SUPERSEDES

SUPERSEDED BY

159-552 A1
INDEX CLASS-N 14/14