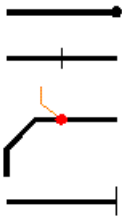
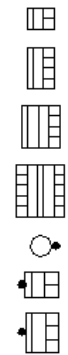
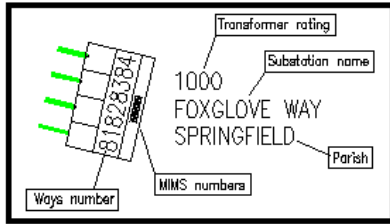
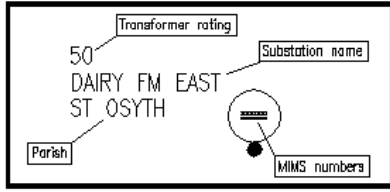
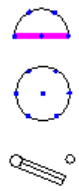


Joints (LV network diagram view)

NetMAP system	Description
	<p>Pot end or Sicame Box</p> <p>Straight joint</p> <p>Crutch joint</p> <p>3 phase termination</p>

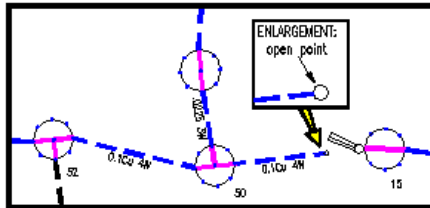
Substations/pole transformers (LV network diagram view)

NetMAP system	Description
<p>There are many substation combinations – these are merely a sample of configurations that can be found.</p> 	<p>2 way substation</p> <p>4 way substation</p> <p>4 way twin busbar substation</p> <p>10 way back to back substation</p> <p>Pole transformer (normal)</p> <p>Pole transformer 2 way</p> <p>Pole transformer 3 way</p>
	<p>Substation with rating, name, Parish and MIMS identifying number</p>
	<p>Pole transformer with rating, name, Parish and MIMS identifying number</p>
	<p>Intermediate pole</p> <p>Section pole</p> <p>Overhead fuse</p>
<p>section continued on next page</p>	

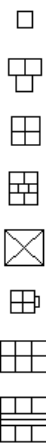
Substations/pole transformers cont'd (LV network diagram view)

NetMAP system

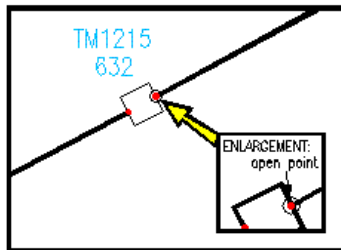
Description



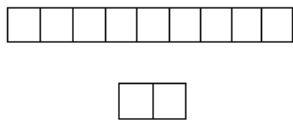
Overview – the purple lines through the section poles are pole links – these indicate how the network is linked together



- 2 way link box
- 3 way link box
- 4 way link box
- 4 way double busbar link box
- 4 way BICC link box
- 5 way link box
- 6 way link box
- 6 way double busbar link box



A two way link box with identification number, connected to a cable with an open point



Feeder pillars – these range from 2 ways through to 9 ways – a 9 way and a 2 way are shown as examples

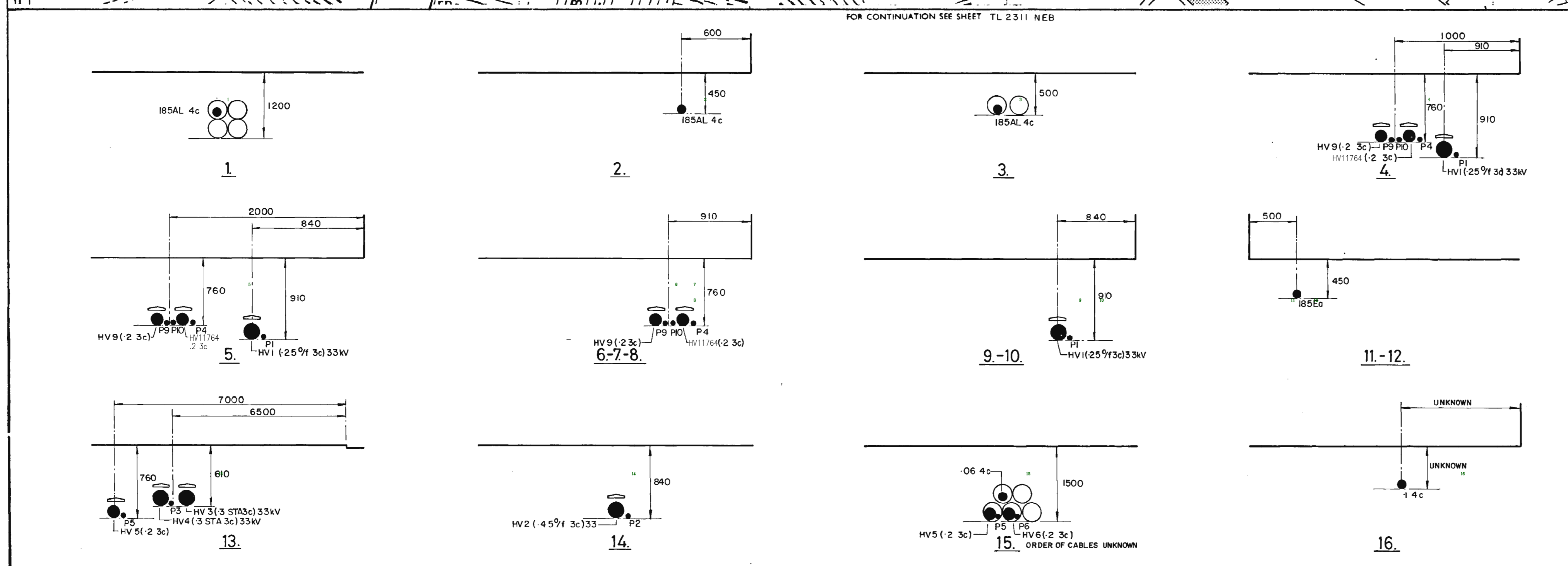
SO

TL2311NEA 1:500 LV

FOR CONTINUATION SEE SHEET TL 2311 SEB

FOR CONTINUATION SEE SHEET TL 2311 NWA

FOR CONTINUATION SEE SHEET TL 2311 NWA



FOR CONTINUATION SEE SHEET TL 2311 NEB

FOR CONTINUATION SEE SHEET TL 2311 NEB

PILOT CABLES AND HIGH VOLTAGE CABLES

Serial numbers refer to this sheet only and lengths are to sheet edge

No.	Size	Cores	Designation	Length		No.	kv	Size	Cores	Designation	Length	
				metres	yards						metres	yards
P1	7/25 3/19	3	WELWYN - SHERRARDS VIA CHEQUERS			HV1	33	185AL	3	WELWYN GBD - LITE		
P2	7/25 3/19	3	WELWYN - CENTRAL WELWYN			HV2	33	185AL	3	WELWYN - CENTRAL WELWYN T3		
P3	7/25 3/19	2x3	WELWYN GBD - CENTRAL WELWYN - LITE T2			HV3	33	3 STA	3	WELWYN GBD - CENTRAL WELWYN T2		
P4	7/25 3/19	3	WELWYN - CENTRAL WELWYN 3			HV4	33	3 STA	3	WELWYN GBD - CENTRAL WELWYN T3		
P5	7/25 3/19	3	MOSS GREEN - BROADWATER ROAD			HV5	11	185AL	3	BIO PARK TO MOSS GREEN		
P6	7/25 4/19	3	MOSS GREEN - WELWYN			HV6	11	185AL	3	MOSS GREEN - WELWYN LOCAL		
P7	7/25 4/19	3	GREAT LET - WELWYN			HV7	11	2	3	LITTLE BURROW HOWELL RD TO PEARTREE LANE		
P8	7/25 4/19	3	PEARTREE LANE - WELWYN			HV8	11	2	3	WELWYN - ROOMS HILL		
P9	7/25 4/19	3	STANBOROUGH GREEN - ?			HV9	11	2	3	WELWYN PRIMARY TO GOBELS GRN		
P10	7/25 4/19	3	GOBLINS GREEN - WELWYN			HV10	11	2	3c	GRAYS TO GREAT LAY BRAY ST		
				Total length				Total length				

NOTES (1) FOR FULL DETAILS OF 33 kv CABLES REFERENCE SHOULD BE MADE TO THE PRIMARY RECORDS
(2) E DENOTES CNE CABLE ; D DENOTES ALPEX TYPE

Caution
NON S.W.A. HV CABLES
IN THIS VICINITY

eastern electricity

1 : 500 SCALE U/G MAINS

LOCATION
WELWYN GARDEN CITY

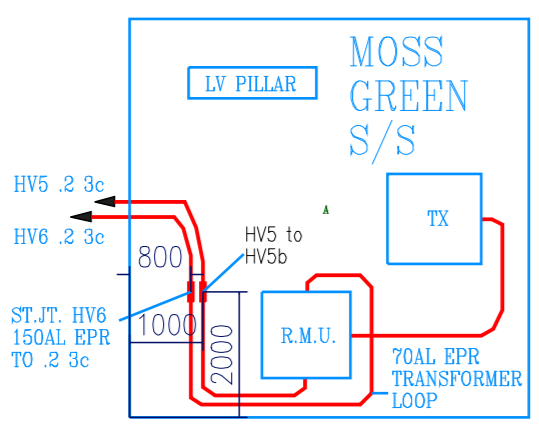
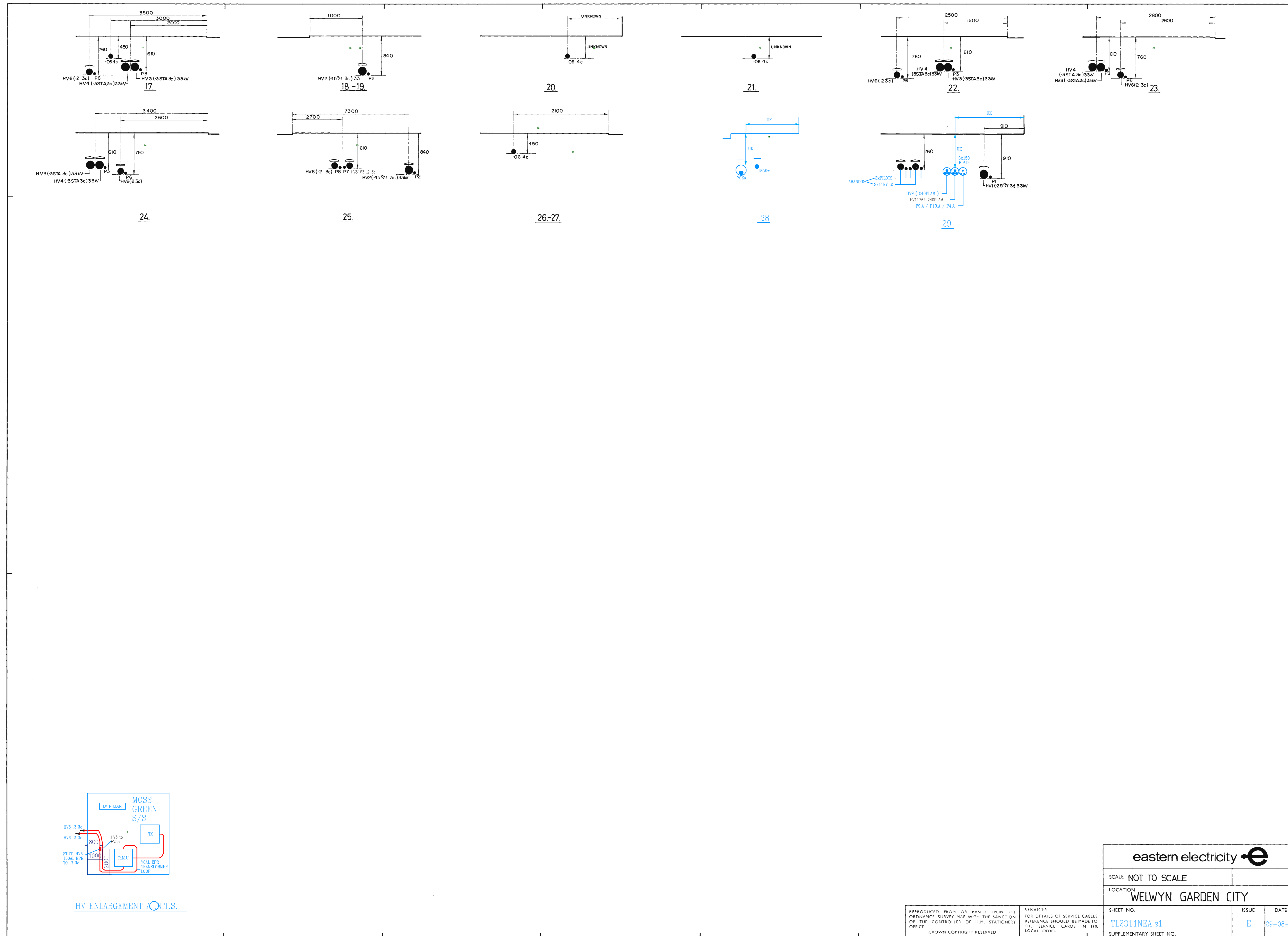
DIMENSIONS IN MILLIMETRES
REPRODUCED FROM OR BASED UPON THE ORDINANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF HM STATIONERY
CROWN COPYRIGHT RESERVED

SHEET NO.
TL2311NEA-60
SUPPLEMENTARY SHEET NO TL 2311 NEA.1

SERVICES FOR DETAILS OF SERVICE CABLE REFERENCE SHOULD BE MADE TO THE SERVICE CARDS IN THE DISTANCE OFFICE.

ISSUE DATE
G 29-08-01

TL 2311 NEA.1



eastern electricity	
SCALE NOT TO SCALE	
LOCATION WELWYN GARDEN CITY	
SHEET NO. TL2311NEA.s1	ISSUE E
SUPPLEMENTARY SHEET NO.	DATE 29-08-01

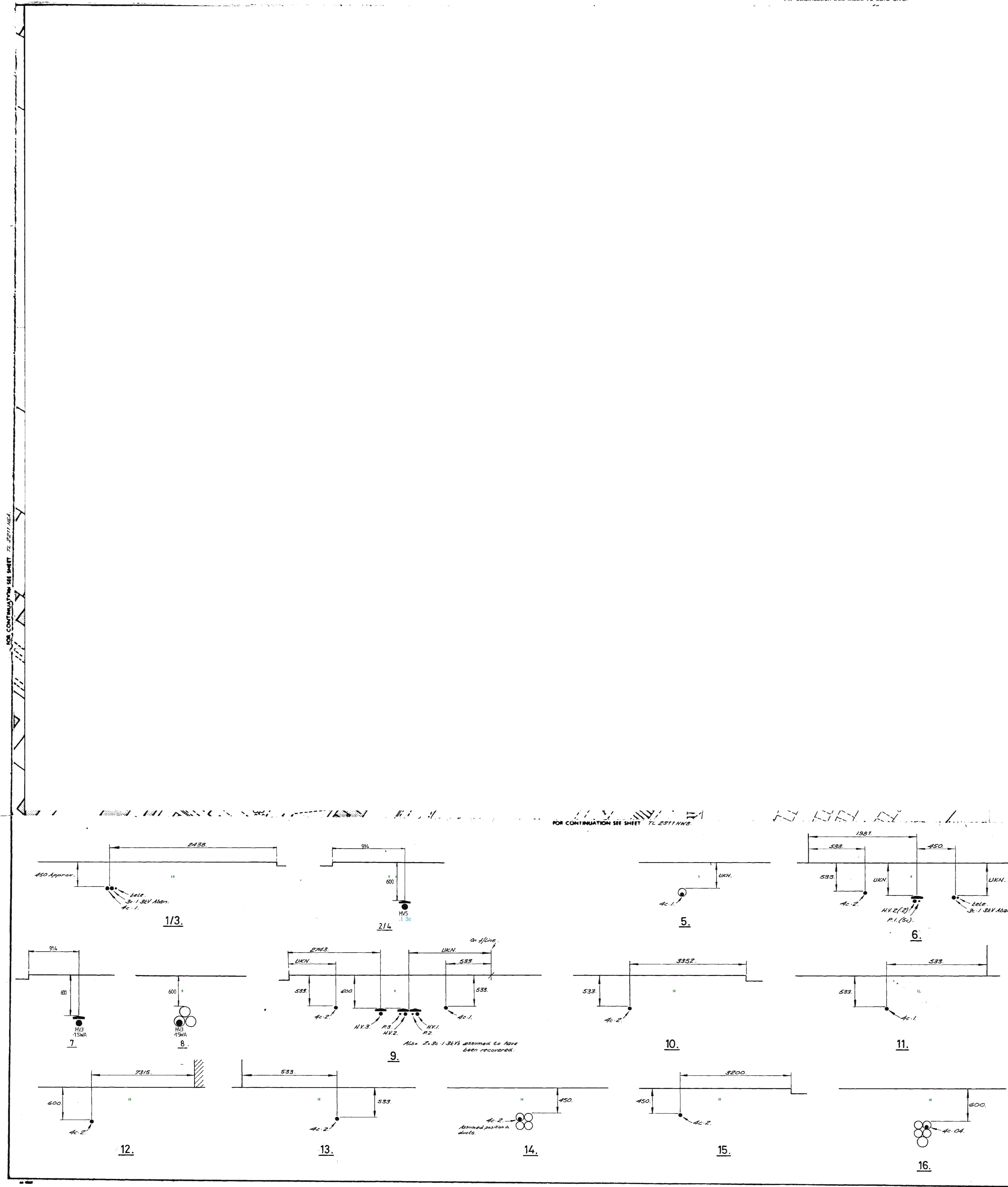
REPRODUCED FROM OR BASED UPON THE ORDINANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF H.M. STATIONERY OFFICE.
 CROWN COPYRIGHT RESERVED

SERVICES FOR DETAILS OF SERVICE CABLES REFERENCE SHOULD BE MADE TO THE SERVICE CARDS IN THE LOCAL OFFICE.

23/11/2004

For continuation see sheet TL 2311 NWA

1/11/11



PILOT CABLES AND HIGH VOLTAGE CABLES

Serial numbers refer to this sheet only and lengths are to sheet edge

No.	kV	Size	Cores	Designation	Lengths		No.	kV	Size	Cores	Designation	Lengths	
					metres	feet						metres	feet
P1	11	24/0.35	3	Widcombe to Sand Centre between SS-1 & Welwyn SS-18 7/2 Core	111.1	364.7	1	11	24/0.35	3	Stamborough Green - Banks Hill, Pitsea Way Road		
P2	11	24/0.35	3	Stamborough Green to Sand P1 (Delaware works, drawings)	111.1	364.7	2	11	24/0.35	3	Stamborough Green - Harrogate Lane, Harrogate Lane local AVE End		
P3	11	24/0.35	3	Stamborough Green - cap end	111.1	364.7	3	11	24/0.35	3	Stamborough Green - COSSING SCHOOL		
							4	11	24/0.35	3	Marston Green - Sand A.V.P.		
							5	11	24/0.35	3	COSSING SPORTS PARK - CHANNAR SCHOOL		
							6	11	24/0.35	3	COSSING STADIUM - COSSING SPORTS PARK		
Total length							Total length						

NOTES (1) FOR FULL DETAILS OF (3) BY CABLES REFERENCE SHOULD BE MADE TO THE PRIMARY RECORDS
(2) E DENOTES CNE CABLE - DENOTES ALPHEX TYPE

		1:500 SCALE U/G MAINS			
		LOCATION Welwyn Garden City.			
DIMENSIONS IN MILLIMETRES	REPRODUCED FROM OR BASED UPON THE ORDINANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF AIR STATIONERY CROWN COPYRIGHT RESERVED	SERVICES FOR DETAILS OF SERVICE CABLE REFERENCE SHOULD BE MADE TO THE SERVICE CARDS IN THE DISTRICT OFFICE	SHEET NO.	ISSUE	DATE
			TL2311NWA.S0	C	28-11-0
SUPPLEMENTARY SHEET NO.					

TL 2311 NWA