

ADVERTISED PLAN

APPENDIX B – CONSTRUCTION PLANS

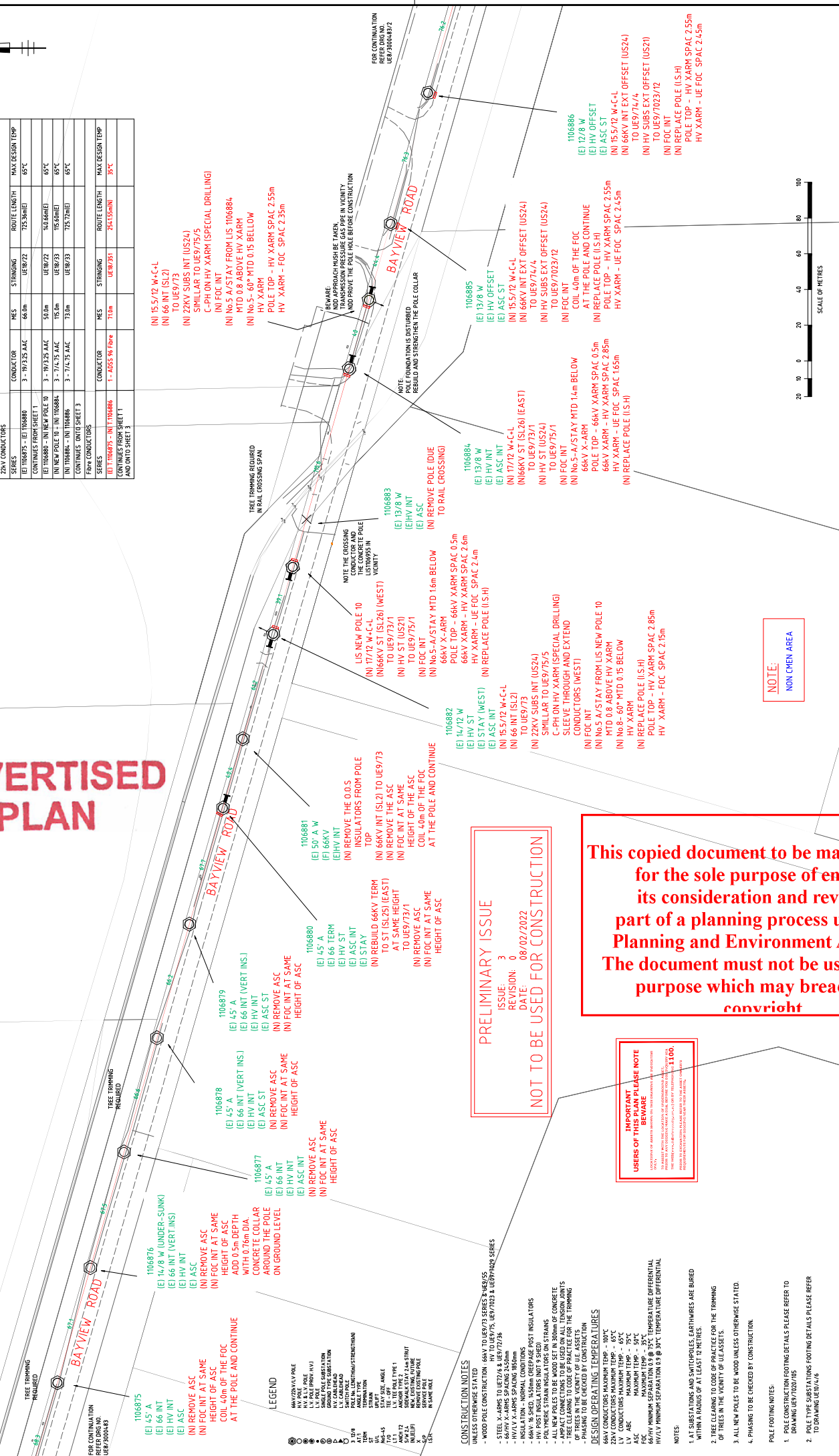
This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

ADVERTISED PLAN

NOTE: 66KV INSULATORS TO BE USED ARE 500MM X 100MM X 100MM. CONSIDERING THE HEAVY POLLUTION LEVEL, 'STRETCHED' INSULATORS WITH MINIMUM CLEARANCE OF 850MM MUST BE USED FOR 66KV.

66KV CONDUCTORS	SERIES	CONDUCTOR	MES	STANDING	ROUTE LENGTH	MAX DESIGN TEMP
IE1106875 - (I) 106880	3 - 19/2.75 AAC	62.0m	UEW726		632.40m(E)	100°C
CONTINUES FROM SHEET 1						
IE1106880 - (N) NEW POLE 10	3 - 37/2.75 AAC	50.0m	UEW722		143.60m(N)	100°C
IE1106881 - (N) NEW POLE 10	3 - 37/2.75 AAC	50.0m	UEW722		153.60m(N)	100°C
CONTINUES ONTO SHEET 3						
22KV CONDUCTORS <th>SERIES</th> <th>CONDUCTOR</th> <th>MES</th> <th>STANDING</th> <th>ROUTE LENGTH</th> <th>MAX DESIGN TEMP</th>	SERIES	CONDUCTOR	MES	STANDING	ROUTE LENGTH	MAX DESIGN TEMP
IE1106875 - (I) 106880	3 - 19/2.75 AAC	62.0m	UEW722		725.30m(E)	65°C
CONTINUES FROM SHEET 1						
IE1106880 - (N) NEW POLE 10	3 - 19/2.75 AAC	50.0m	UEW722		143.60m(E)	65°C
IE1106881 - (N) NEW POLE 10	3 - 19/2.75 AAC	50.0m	UEW722		153.60m(E)	65°C
CONTINUES ONTO SHEET 3						
Fire CONDUCTORS <th>SERIES</th> <th>CONDUCTOR</th> <th>MES</th> <th>STANDING</th> <th>ROUTE LENGTH</th> <th>MAX DESIGN TEMP</th>	SERIES	CONDUCTOR	MES	STANDING	ROUTE LENGTH	MAX DESIGN TEMP
IE11106895 - (N) 1106886	1 - ADS5 9% Fibre	71.0m	UEW7351		254.155m(N)	35°C
CONTINUES FROM SHEET 1 AND ONTO SHEET 3						

(N) 15.5/12 W-C-L TO UE9/73
 (N) 22KV SUBS INT (US24) SIMILAR TO UE9/75/5
 (N) 22KV SUBS INT (US24) C-PH ON HV XARM (SPECIAL DRILLING) (N) FOC INT
 (N) No 5 A/STAY FROM LIS 1106884 MTD 0.8 ABOVE HV XARM
 (N) No 5 - 60° MTD 0.15 BELOW HV XARM
 POLE TOP - HV XARM SPAC 2.55m
 HV XARM - FOC SPAC 2.35m



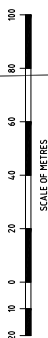
NOTE:
NON OPEN AREA

PRELIMINARY ISSUE
 ISSUE: 3
 REVISION: 0
 DATE: 08/02/2022
NOT TO BE USED FOR CONSTRUCTION

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

IMPORTANT PLEASE NOTE
 THIS PLAN IS A PRELIMINARY ISSUE AND IS NOT TO BE USED FOR CONSTRUCTION. THE USER OF THIS PLAN IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER OF THIS PLAN IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER OF THIS PLAN IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

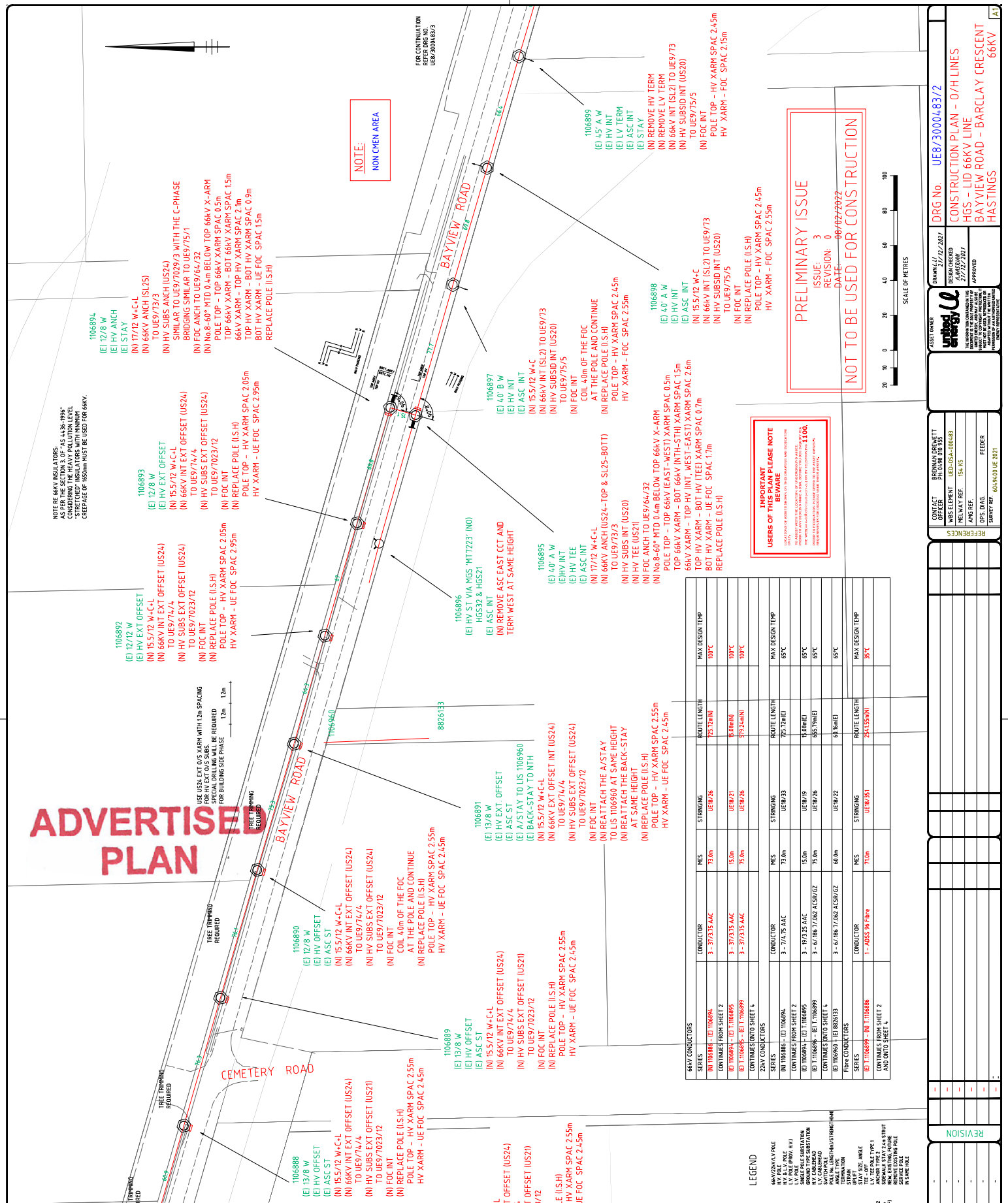
A1
A2



<p>ASSET OWNER DESIGN CHECKED 2/17/2022 MELWAY REF. 15415 APPROVED 2/17/2022</p>	<p>DRG No. UE8/3000483/1 CONSTRUCTION PLAN - 0/H LINES HGS - LID 66KV LINE - BARCLAY CRESCENT BAYVIEW ROAD - BARCLAY CRESCENT HASTINGS 66KV</p>
<p>BRUNNEN DREWITT PHILIP WOOD 07 9555</p>	<p>REFERENCES SURVEY REF. 604540 UE 2021 OPS DIAG. FEEDER</p>
<p>REVISION</p>	<p>DRAININGS</p>

ADVERTISED PLAN

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright.



NOTE: NON CHEN AREA

PRELIMINARY ISSUE REVISION DATE: 3 0 00/02/2022

IMPORTANT MESSAGE USERS OF THIS DRAWING... THIS DRAWING IS THE PROPERTY OF THE ENGINEER AND HIS FIRM. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED IN THE TITLE. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER AND HIS FIRM.

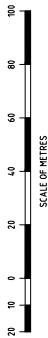


Table with columns: SERIES, CONDUCTOR, ROUTE LENGTH, MAX DESIGN TEMP. It lists specifications for 66KV CONDUCTORS and 22KV CONDUCTORS, including conductor sizes (e.g., 3 - 37/35 AAC) and maximum design temperatures (e.g., 100°C).

LEGEND

- 66KV/22KV POLE
LAT SUBSTATIONS AND SWITCHPOLES, EARTHPILES ARE BURIED WITHIN A RADIUS OF AT LEAST 12 METRES.
3. TREE CLEARING TO CODE OF PRACTICE FOR THE TRIMMING OF TREES IN THE VICINITY OF U.E ASSETS.
4. PHASING TO BE CHECKED BY CONSTRUCTION.
POLE FOOTING NOTES:
1. POLE CONSTRUCTION FOOTING DETAILS PLEASE REFER TO DRAWING UE9/1029/005
2. TO DRIVING SUBSTATIONS FOOTING DETAILS PLEASE REFER TO DRAWING UE10/416

CONSTRUCTION NOTES

- UNLESS OTHERWISE STATED
WOOD POLE CONSTRUCTION:
- STEEL X-ARMS TO UE12/76 & UE17/26
- 66KV X-ARMS SPACING 2.55m
- INSULATION - NORMAL CONDITIONS
- 66KV 16 SHED, 145mm CREEPAGE POST INSULATORS
- HV POST INSULATORS (NOT Y-SHED)
- ALL NEW POLES TO BE WOOD SET IN 300mm OF CONCRETE
- IMPACT CONNECTIONS TO BE USED ON ALL TENSION JOINTS
- PHASING TO BE CHECKED BY CONSTRUCTION
DESIGN OPERATING TEMPERATURES
66KV CONDUCTORS MAXIMUM TEMP - 100°C
22KV CONDUCTORS MAXIMUM TEMP - 85°C
LV ABC MAXIMUM TEMP - 75°C
ASC MAXIMUM TEMP - 50°C
66KV MINIMUM SEPARATION 1.0 @ 35°C TEMPERATURE DIFFERENTIAL
HV LV MINIMUM SEPARATION 0.9 @ 30°C TEMPERATURE DIFFERENTIAL

Project information and approvals section. Includes:
- DRG No.: UE8/3000483/2
- CONSTRUCTION PLAN - 0/H LINES
- HGS - LID 66KV LINE
- BAYVIEW ROAD - BARCLAY CRESCENT HASTINGS
- DESIGN CHECKED: MEL WARD
- DATE: 2/9/2021
- CONTACT OFFICER: BRUNNAR DRISCHETT
- REFERENCE: OPS DIAG, FEEDER, SURVEY REF: 6015410 UE 2021

