



BEACON FEN

ENERGY PARK

Planning Inspectorate Reference: EN010151

Bicker Fen Substation layout (Change Request)

Document Reference: 2.27

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Quality information

Prepared by	Checked by	Verified by	Approved by
SKYRAY	EZA	ABO	GDA



Drawing Title

BICKER FEN SUBSTATION LAYOUT AIS

Notes

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SHEQ NOTES

- THIS IS A 4.1 DRAWING AND IS FOR DEVELOPMENT PURPOSES ONLY.
- RISK ASSESSMENT AND METHOD STATEMENT TO BE FOLLOWED AT ALL STAGE OF CONSTRUCTION.

NOTES

- UNDERGROUND SERVICES TO BE IDENTIFIED, PROTECTED, AND IF REQUIRED TO BE DIVERTED.

LEGEND:

- EXISTING EQUIPMENT
- PROPOSED CHANGE
- PROPOSED SUBSTATION EXTENSION
- EQUIPMENT TO BE REMOVED

SAFETY CLEARANCE TABLE

Nominal System Voltage	Pedestrian Access Clearance	Phase to Earth PE	NGTS 2.1				Safety Distance SD
			Phase to Phase PP	Vertical working & Access Clearance Ds	Horizontal working & Access Clearance Dsh		
kV	m	m	m	m	m	m	m
400	2.4	2.8	3.6	5.5	4.6		3.1

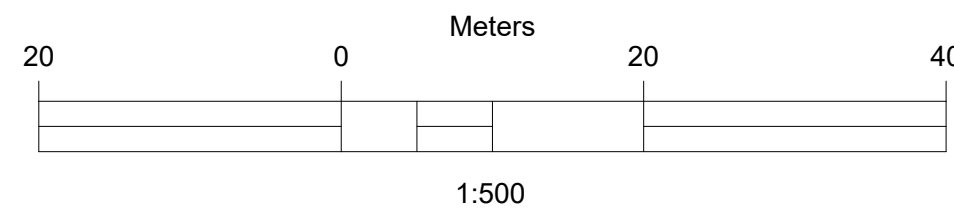
TGN 186		
Nominal System Voltage	Design Clearance for MEWP Operation (Horizontal) Ds	Design Clearance for MEWP Operation (Vertical) Ds
kV	m	m
400	6.6	7.5

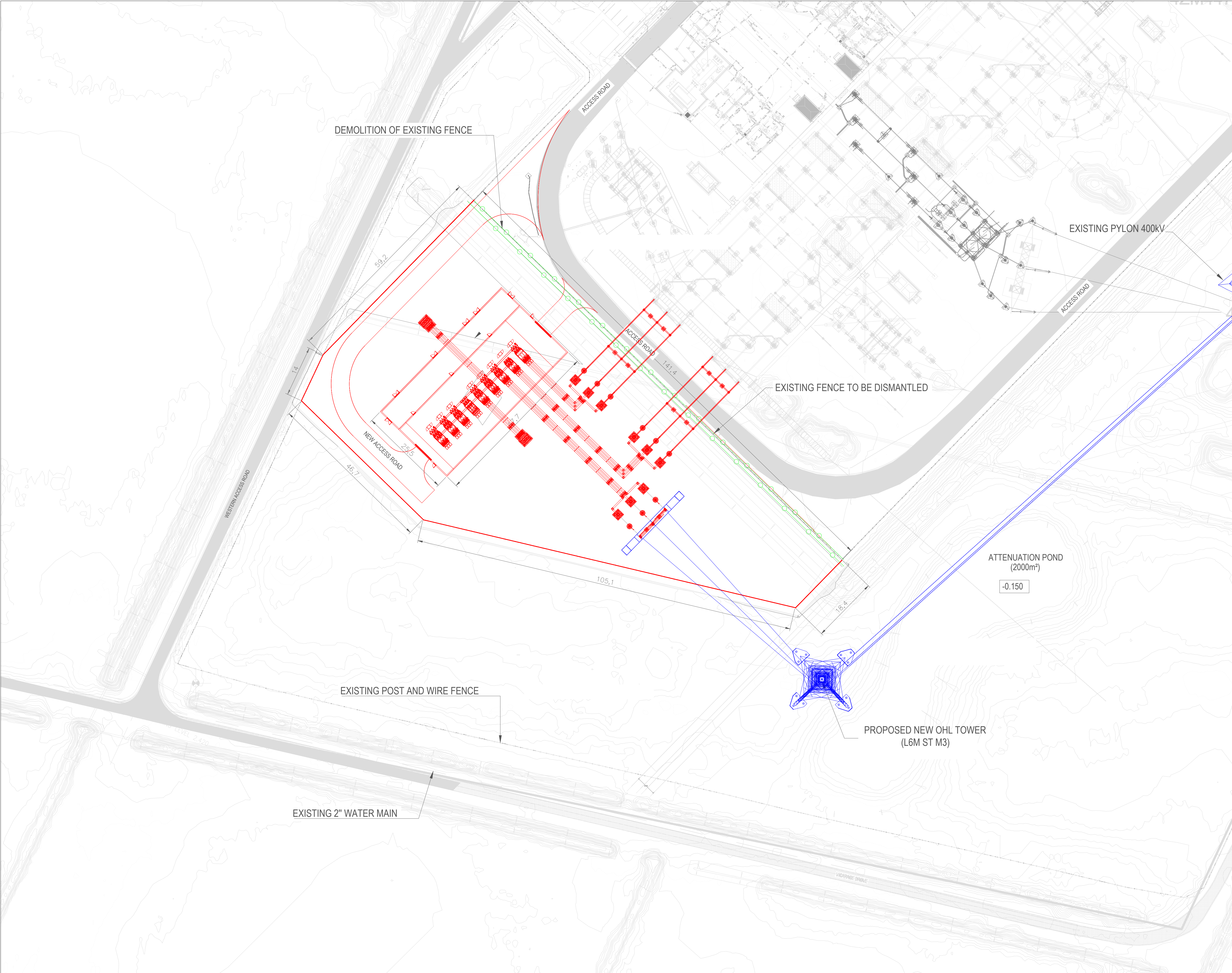
THIS DRAWING NEEDS TO BE PRINTED IN COLOUR

Index	Date	Changes	Writer	Checker
0.0	12/25	Change Request Version	ABO	GDA



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Drawing Title

BICKER FEN SUBSTATION LAYOUT GIS

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SAFETY CLEARANCE TABLE

Nominal System Voltage	Pedestrian Access Clearance	Phase to Earth PE	Phase to Phase PP	NGTS 2.1			Safety Distance SD
				Vertical working & Access Clearance Dv	Horizontal working & Access Clearance Dh		
kV	m	m	m	m	m	m	m
400	2.4	2.8	3.6	5.5	4.6	3.1	

Nominal System Voltage	TGN 186	
	Design Clearance for MEWP Operation (Horizontal) Dv	Design Clearance for MEWP Operation (Vertical) Dh
kV	m	m
400	6.6	7.5

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