

1. ALL DIMENSIONS ARE TO BE CHECKED ON SITE BEFORE WORK COMMENCES.
2. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
3. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.
4. ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH THE CURRENT AUSTRALIAN STANDARDS AND THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITY.
5. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL CONSTRUCTION AND TEMPORARY WORKS ARE STABLE AT ALL TIMES.
6. GUYED LATTICE MASTS BY NATURE HAVE NO REDUNDANCY AND ARE A HIGH RISK ACTIVITY TO ERECT. ONLY EXPERIENCED AND QUALIFIED RIGGERS (ADVANCED RIGGING HIGH RISK WORK LICENCE) WITH A PROVEN CONSTRUCTION METHODOLOGY AND A DEMONSTRATED HISTORY OF GUYED LATTICE MAST ERECTION SHALL BE ENGAGED FOR WORKS. APPROPRIATE SAFE WORK METHOD STATEMENTS (SWMS) SHALL BE DEVELOPED BY THE CONTRACTOR AND STRICTLY ADHERED TO ALONG WITH WHS REGULATIONS.

1. WIND LOAD:	WIND REGION	A0
	TERRAIN CATEGORY	2.0
	(AS.3995 STRUCTURE TYPE)	II
	TOPOGRAPHIC MULTIPLIER Mt	1.0
	DIRECTION MULTIPLIER Md	1.0
	SERVICE WIND SPEED Vs	27m/s
	REGIONAL WIND SPEED VR	39m/s
	DESIGN LIFE	5 YRS.

1. REQUIRED MINIMUM SAFE BEARING CAPACITY OF FOUNDATION MATERIAL SHALL BE MIN. 100 KPa AT 500mm BELOW EXISTING SURFACE LEVEL. (REFER GEOTECH REPORT). ALL TOPSOIL AND UPPER STRATA CONTAINING ORGANIC MATTER TO BE REMOVED.
2. WHERE LOOSE GROUND OR WATER INGRESS REQUIRES A WORKING SLAB THE CONTRACTOR MAY PROVIDE A BLINDING LAYER OF 15 MPa CONCRETE, 50mm THICK MINIMUM BENEATH ALL PAD FOOTINGS PRIOR TO INSTALLING MOISTURE BARRIER AND REINFORCEMENT.
3. WHERE FILL OR BACKFILL IS REQUIRED, BECAUSE MATERIAL ON SITE IS UNSUITABLE FOR STANDARD COMPACTION SPECIFICATION, THEN IMPORTED FILL SHALL CONSIST OF APPROVED MATERIAL SUCH AS CRUSHED ROCK AND BE INSTALLED IN ACCORDANCE WITH COMPACTION SPECIF'N.
4. FOOTING DESIGN HAS BEEN BASED ON GEOTECHNICAL REPORT REF. '2457873' PREPARED BY 'SMOLDERS GEOTECHNICAL' DATED 24th MAY 2024. SITE CLASSIFICATION: 'H2-D'

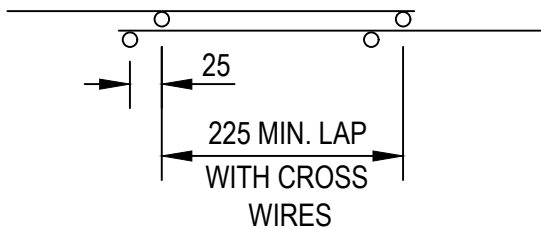
1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS. 3600.
2. CONCRETE QUALITY:
PLACE CONCRETE OF THE FOLLOWING CHARACTERISTIC COMPRESSIVE STRENGTH f_c AS DEFINED IN AS. 1379.

LOCATION	AS. 1379 f_c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
MAST BASE FTG.	N32	80mm	20mm
GUY ANCHOR FTGS.	N32	80mm	20mm
3. PROVIDE BAR SUPPORTS OR SPACERS TO GIVE THE FOLLOWING CONCRETE COVER TO ALL REINFORCEMENT UNLESS NOTED OTHERWISE ON DRAWINGS.

FOOTINGS:
50mm TOP & BTM. & SIDES
4. ALL CONCRETE IS TO BE VIBRATED.
5. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
6. ALL CHAIRS SHALL BE LOCATED AT 800 MAX. CTRS. (BOTH TO SUPPORT REINFORCEMENT AND GIVE THE CORRECT CONCRETE COVER.

4. ALL CONCRETE IS TO BE VIBRATED.
5. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
6. ALL CHAIRS SHALL BE LOCATED AT 800 MAX. CTRS. (BOTH TO SUPPORT REINFORCEMENT AND GIVE THE CORRECT CONCRETE COVER.
7. REINFORCEMENT SYMBOLS:
N - DENOTES GRADE 500 NORMAL DUCTILITY DEFORMED BAR.
R - DENOTES GRADE 250 R HOT ROLLED PLAIN BAR.
W - DENOTES HARD-DRAWN PLAIN WIRE.
RF - DENOTES GRADE 500 RIBBED WIRE REINFORCING FABRIC.
SL/RL - DENOTES GRADE 500 LOW DUCTILITY RIBBED FABRIC.
THE NUMBER IMMEDIATELY FOLLOWING THESE SYMBOLS IS THE NUMBER OF MILLIMETRES IN BAR DIAMETER.
REINFORCEMENT SHALL COMPLY WITH AS. 4671.

9. LAPS AND SPLICES TO REINFORCEMENT SHALL BE MADE ONLY IN THE POSITIONS AND TO THE DIMENSIONS SHOWN. TYPICAL FABRIC LAP, UNLESS NOTED OTHERWISE:



1. EXCAVATE ANCHOR PIT AND INSTALL STEEL/CONCRETE ANCHOR AND ATTACHMENTS.
2. STEEL ANCHOR BEAM ENCASED IN CONCRETE TO AS.3600. PROVIDE MINIMUM BEAM COVERAGE OF 50mm (UNO.).
3. FILL REMAINDER OF ANCHOR EXCAVATION WITH SELECT MATERIAL WON FROM EXCAVATION OF FROM SURROUNDING

SOURCES AND COMPACT THE FILLING TO A MINIMUM DENSITY OF $\gamma=16\text{KN/m}^3$. SELECT FILL IS TO BE FREE FROM ANY ORGANIC MATERIAL SUCH AS ROOTS AND TOPSOIL AND BE EITHER:

- * CLAYS AND SILTS (BASED ON $\phi=25^\circ$ AND $c_u=20\text{KPa}$), OR
- * SANDS (BASED ON $\phi=32^\circ$)

NOTE: MINIMUM SOIL PROPERTIES ARE AS STATED ABOVE,
UNLESS NOTED DIFFERENTLY IN GEOTECHNICAL REPORT.

SELECT FILL PARTICLES SIZE AND SHAPE IS TO SUIT
COMPACTED LAYER THICKNESS.

4. ADEQUATE COMPACTION IS ACHIEVED BY PROVIDING A COMPACTED DENSITY EQUAL TO A CONTROLLED FILL CLASSIFICATION. CONTROLLED FILL IS DEFINED IN AS. 2870.

SANDY FILL IS TO BE PLACED IN LAYERS NOT GREATER THAN 300mm LOOSE. NON-SANDY SOILS AND CLAY SOILS REQUIRE LAYER DEPTHS NOT GREATER THAN 150mm WHEN COMPACTED. COMPACTION IS TO BE ACHIEVED BY MECHANICAL TAMPING. THIS WILL REQUIRE COMPACTION BY RODDING, BY A VIBRATING PLATE OR SMOOTH DRUM ROLLER ATTACHED TO A BACKHOE/EXCAVATOR OR WALK BEHIND WACKER PACKER.

5. COMPLIANCE WITH CONTROLLED FILL IS DEEMED TO BE ACHIEVED IN SANDY SOILS IF A DYNAMIC CONE PENETROMETER TEST (AS DEFINED BY AS. 1289.6.3.3) PRODUCES A BLOW COUNT OF 7 OR MORE FOR 300mm. FOR NON SANDY AND CLAY SOILS CONTROLLED FILL IS DEEMED TO BE ACHIEVED IF SOIL IS MOIST AND COMPACTED IN LAYER DEPTHS NOT MORE THAN 150mm WHEN COMPACTED.

6. WHERE SOILS DEPART FROM THE MINIMUM REQUIREMENTS IN THE COMPACTION SPECIFICATION, OR WHERE A HIGH WATER TABLE IS ENCOUNTERED, OR WHERE THE SOILS DEPART FROM THE GEOTECHNICAL REPORT, THEN THE DESIGN ENGINEER IS TO BE NOTIFIED FOR DESIGN REVIEW.

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1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS. 4100 AND AS. 1554 EXCEPT WHERE VARIED BY CONTRACT DOCUMENTS.
2. WELDED CONNECTIONS BETWEEN STRUCTURAL MEMBERS SHALL BE MIN. 6mm CONTINUOUS FILLET WELDS (OR SIZE EQUIVALENT TO THE MINIMUM THICKNESS OF CONNECTING MEMBERS WHERE LESS THAN 6mm) UNLESS NOTED OTHERWISE.
3. BOLT TYPES (AND DESIGNATIONS, WHERE USED) SHALL BE AS FOLLOWS:
4.6/S - COMMERCIAL BOLTS TO AS 1111, SNUG TIGHTENED.
8.8/S - HIGH STRENGTH STRUCTURAL BOLTS, WITH BOLTS, NUTS AND HARDENED WASHERS TO AS. 1252, SNUG TIGHTENED ONLY.
4. M16 HIGH STRENGTH (8.8/S) BOLTS SHALL BE USED IN ALL CONNECTIONS UNLESS NOTED OTHERWISE. NOTWITHSTANDING THIS NO STEEL TO STEEL CONNECTION SHALL BE MADE WITH LESS THAN 2-M16 (8.8/S) BOLTS, UNLESS NOTED OTHERWISE.
5. BOLT HOLES IN STEEL TO STEEL, AND STEEL TO CONCRETE CONNECTIONS SHALL BE BOLT DIAMETER + 2mm AND + 3mm RESPECTIVELY. FOR BASE PLATES ALLOW BOLT DIAMETER + 6mm.
6. UNLESS NOTED OTHERWISE ALL NUTS, BOLTS & WASHERS SHALL BE HOT DIP GALVANIZED.
7. WELD MATERIAL SHALL HAVE A NOMINAL TENSILE STRENGTH OF 490 MPa AS PER AS. 4100:2020, TABLE 9.6.3.10 (A).
8. ALL WELDS SHALL BE CATEGORY SP TO AS. 1554 PART 1 UNLESS NOTED OTHERWISE.
9. STEEL FABRICATOR SHALL PROVIDE ALL BOLTS, HOLES AND CLEATS NECESSARY FOR THE ERECTION OF STEELWORK AS SHOWN, NOTED OR IMPLIED.
10. PROTECTIVE SURFACE TREATMENT TO STRUCTURAL STEELWORK SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE.

GENERAL MAST & GUY ANCHOR ROD ASSEMBLY:
HOT DIP GALVANIZE 'HDG600' (AS. 2312)
GUY FOOTING ANCHOR BEAMS ENCASED IN CONCRETE:
HOT DIP GALVANIZE 'HDG600' (AS. 2312)

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Job No.	12109-02	Dwg No.	N1	Issue
				A

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A	23-07-2024	CONSTRUCTION ISSUE	DN.
Issue	Date	Description	App'd

Client:

Fulcrum3D
WIND SOLAR FUTURES

Project:

116m (nom.) TEMP. GUYED LATTICE MAST
AT: MEERING WEST, VICTORIA

Title:

GENERAL MAST ELEVATION

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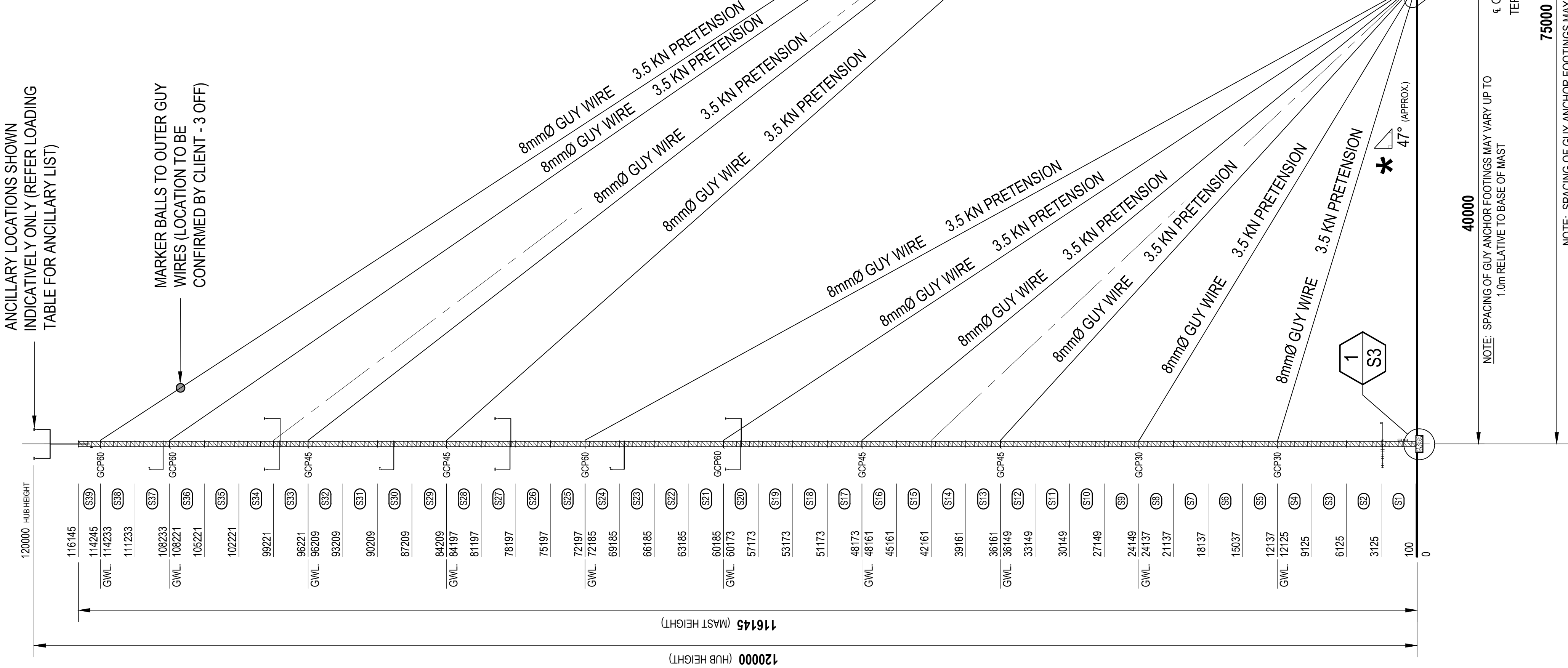
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Checked	DN.	File Name	12109-02-Rev A.dwg
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ANCILLARY LOCATIONS SHOWN
INDICATIVELY ONLY (REFER LOADING
TABLE FOR ANCILLARY LIST)

MARKER BALLS TO OUTER GUY
WIRES (LOCATION TO BE
CONFIRMED BY CLIENT - 3 OFF)



NOTE: SPACING OF GUY ANCHOR FOOTINGS MAY VARY UP TO 1.0m RELATIVE TO BASE OF MAST

GENERAL MAST ELEVATION

SCALE 1:250 AT A1
GWL DENOTES GUY WIRE FIXING LEVEL
GCP45 DENOTES GUY CONNECTOR PLATE TYPE WITH NOMINATED ANGLE

ANCILLARY LOADING TABLE - TEMPORARY MAST

ANCILLARY DESCRIPTION	MODEL	HEIGHT (m)	ESA (m²) THRUST
LIGHTNING FINIAL	13mm GALV. ROD	TOP	0.29
2 x ANEMOMETER (INCLUDES EXTENSION)	THIES 4.3352.10.401	120	0.54
TEMPERATURE, HUMIDITY, PRESSURE	THIES 1.1006.54.081/1.1025.55.000	115	0.20
1 x WIND VANE (INCLUDES BOOM ARM)	THIES 4.3151.10.401	110	0.27
2 x ANEMOMETER (INCLUDES BOOM ARM)	THIES 4.3352.10.401	100	0.54
1 x ANABAT MICROPHONE	US-O V3	100	0.10
1 x WIND VANE (INCLUDES BOOM ARM)	THIES 4.3151.10.401	90	0.27
2 x ANEMOMETER (INCLUDES BOOM ARM)	THIES 4.3352.10.401	80	0.27
1 x ANABAT MICROPHONE	US-O V3	80	0.10
1 x WIND VANE (INCLUDES BOOM ARM)	THIES 4.3151.10.401	70	0.27
2 x ANEMOMETER (INCLUDES BOOM ARM)	THIES 4.3352.10.401	60	0.27
1 x ANABAT MICROPHONE	US-O V3	60	0.10
1 x ANABAT MICROPHONE	US-O V3	40	0.10
ANTI-CLIMB SHIELD	TO MAST SUPPLIER'S STD. DTL.	≈ 3	1.0
TEMPERATURE, HUMIDITY, PRESSURE	THIES 1.1006.54.081/1.1025.55.000	3	0.20
RAIN GAUGE	RIMCO 7499	3	0.10
YAGI ANTENNA	YW15-6989	3	0.20
LOGGER ENCLOSURE	RITTAL 1015600 (500 x 400 x 210)	1.5	0.50
POWER ENCLOSURE	RITTAL 1015600 (500 X 400 X 210)	1.0	0.50

ANCILLARY NOTES:

- AN ALLOWANCE HAS BEEN MADE FOR CABLES TO BE BUNDLED DOWN MAST LEG.
- MAST ANCILLARIES TO BE CONFIRMED WITH CLIENT & CHECKED WITH ENGINEER PRIOR TO INSTALLATION.
- ANCILLARY LOADING TABLE PROVIDED BY CLIENT.
- ONE FACE OF THE MAST TO BE FITTED WITH FALL ARREST DEVICE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS.

RIGGING NOTES:

- THE SAFE WORKING LOAD (SWL) OR WORKING LOAD LIMIT (WLL) OF TURNBUCKLES, SHACKLES AND TERMINATIONS SHALL MATCH OR EXCEED THE DESIGN CAPACITIES OF ADJOINING GUY WIRES. THE DESIGN CAPACITY OF THE GUY WIRES SHALL BE TAKEN AS HALF THE MINIMUM BREAKING FORCE (MBF) OF THE WIRE ROPE UNLESS NOTED OTHERWISE. IF REQUIRED, CONTACT THE DESIGN ENGINEER FOR VERIFICATION OF SELECTED RIGGING COMPONENTS.
- 8mm GUY WIRE SPECIFICATION:
 - 7x19 STRANDS G2070.
 - TENSILE STRENGTH = 2070 MPa.
 - MINIMUM BREAKING FORCE (MBF) = 43.9 kN.
 - PRE-TENSION TO 3.5 kN.
 - THE SAFE WORKING LOAD (SWL) OF 8MM GUY CONNECTED RIGGING COMPONENTS (TERMINATIONS, SHACKLES, TURNBUCKLES) SHALL BE NOT LESS THAN 2.36T.
- ALL BOLTS TO BE SUPPLIED WITH NUT & SNUG TIGHTENED.
- ALL BOLTS TO BE SUPPLIED G8.8 WITH STRUCTURAL WASHERS - UNO.
- PRE-TENSION GUY WIRES AND PROVIDE SUITABLE TERMINATIONS WITH ULTIMATE CAPACITY NO LESS THAN GUY BREAKING FORCE.
- RIGGING COMPONENTS SHOULD UNDERGO PERIODIC MAINTENANCE AND INSPECTION AS PER SUPPLIER RECOMMENDATIONS AND RELEVANT AUSTRALIAN STANDARDS.
- REFER DWG. N1 FOR STEELWORK NOTES.

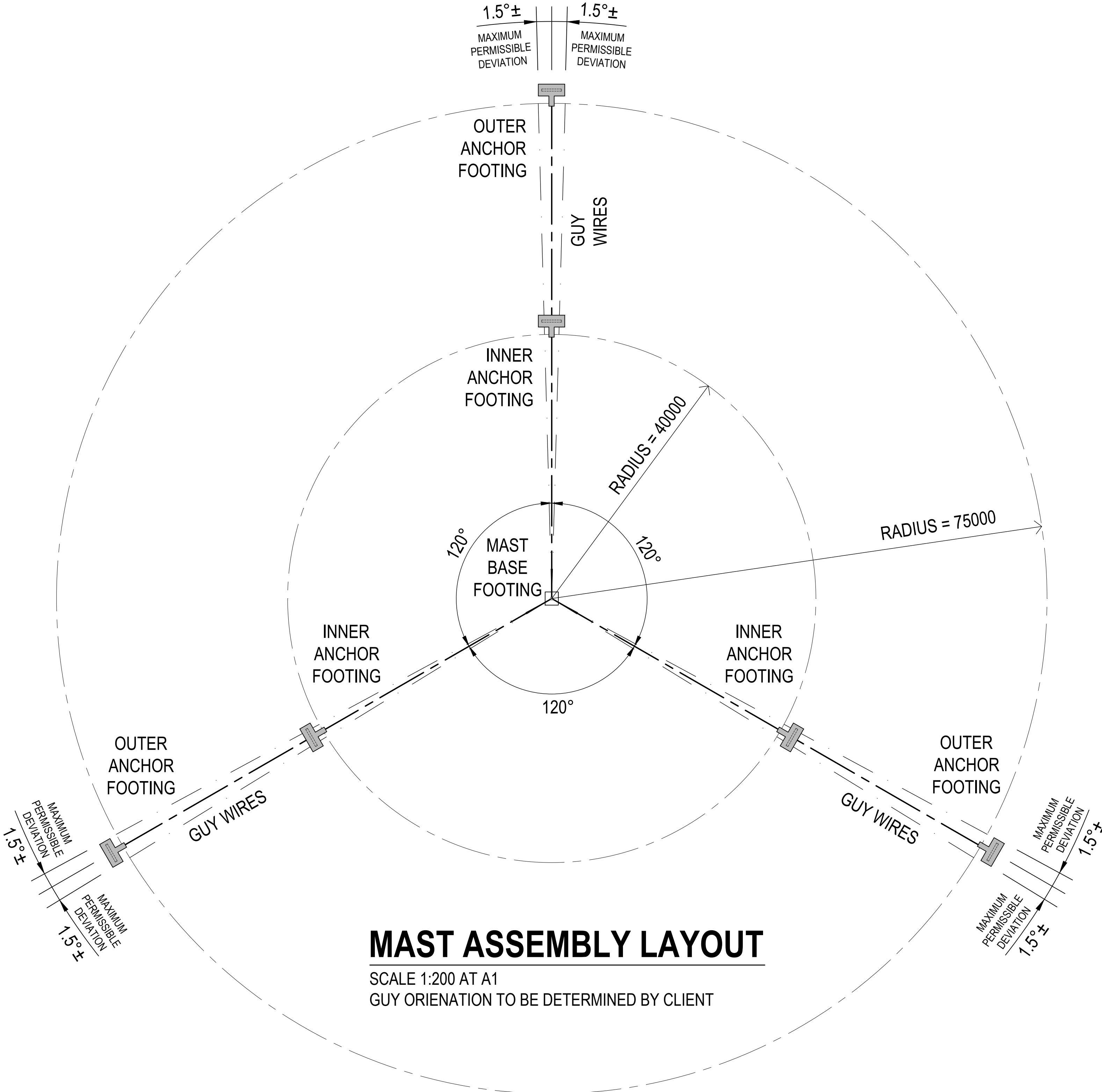
★ NOTE:

ANCHOR ROD GRADIENT SHOWN IS FOR CASE AFTER RESULTANT PRETENSION FORCE HAS BEEN APPLIED. LOOSE SOIL AROUND ANCHOR RODS TO BE RE-COMPACTED AFTER PRETENSIONING

★ NOTE:

LEVEL OF GUY ANCHORS FOOTINGS MAY VARY UP TO RL. ±3.0m AT THE INNER PERIMETER, UP TO RL. ±5.0m AT THE OUTER PERIMETER RELATIVE TO BASE OF MAST (RL.0.0m)

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PLAN**



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A	23-07-2024	CONSTRUCTION ISSUE	DN.
Issue	Date	Description	App'd

Client:



Project:

116m (nom.) TEMP. GUYED LATTICE MAST
AT: MEERING WEST, VICTORIA

Title:

MAST ASSEMBLY LAYOUT

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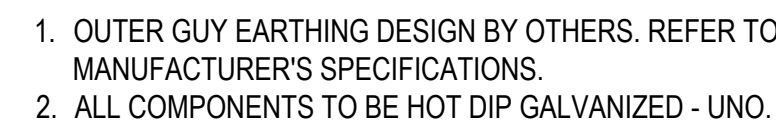
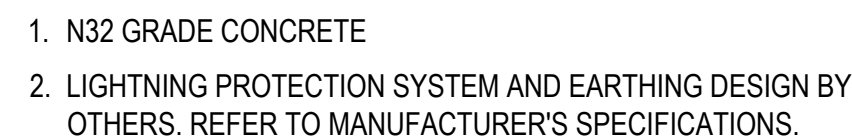
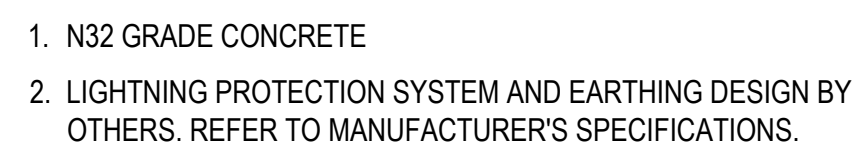
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Designed	DN.	Scale	1:200 @ A1, 1:400 @ A3	
Drawn	JZ.			
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GUY ANCHOR FOOTING SCHEDULE				
INNER GUY FOOTING				
FOOTING WIDTH	FOOTING LENGTH	BEAM LENGTH	# FOOTING HEIGHT	# CONCRETE DEPTH (MIN.)
900	2500	2000	2000	500
OUTER GUY FOOTING				
FOOTING WIDTH	FOOTING LENGTH	BEAM LENGTH	# FOOTING HEIGHT	# CONCRETE DEPTH (MIN.)
900	2500	2000	2000	500

OVERALL FOOTING (CONCRETE) DEPTH IS DETERMINED BY THE FOOTING HEIGHT PLUS THE DEPTH OF ANY UNSUITABLE FOUNDING MATERIALS AT THE SURFACE, INCLUDING TOPSOIL AND ANY OTHER POOR QUALITY SOILS - TYPICAL.

A	23-07-2024	CONSTRUCTION ISSUE	DN.
Issue	Date	Description	App'd



Fulcrum3D

116m (nom.) TEMP. GUYED LATTICE MAST
AT: MEERING WEST, VICTORIA

FOOTING DETAILS

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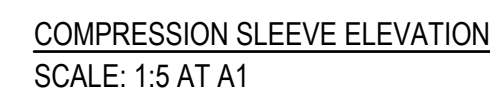
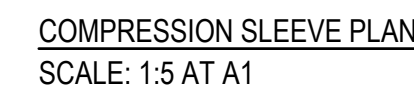


3mm x 6mm
UNEQUAL CFW
ALL ROUND

DETAIL A

SCALE: 1:5 AT A1

TYPICAL
WELD DETAIL



Client:



Title:

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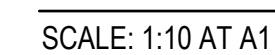
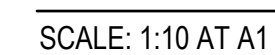


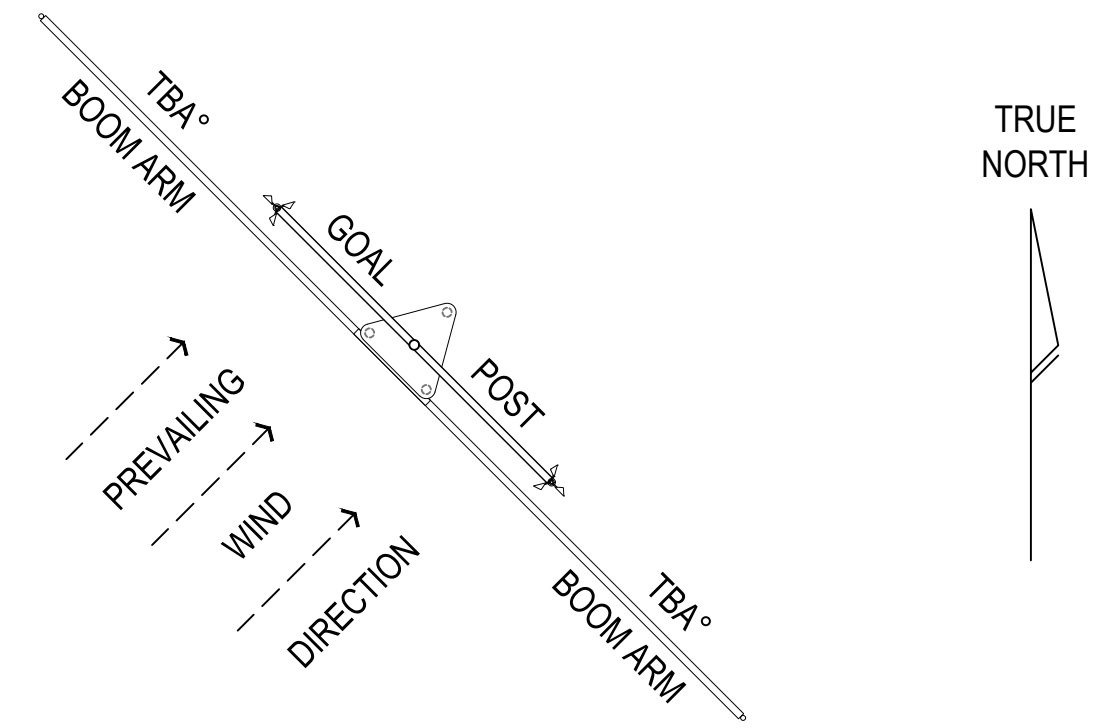
SCALE: 1:10 AT A1
12 THK. PLATE



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ADVERTISED PLAN

[illegible]



SCALE: 1:50 AT A1

1. REFER DWG. S1 FOR ANCILLARY LEVELS.
2. BOOM ORIENTATION TO BE CONFIRMED PRIOR TO MAST INSTALLATION.

SCALE: 1:50 AT A1

1. ALL DIMENSIONS AND SIZES OF ANCILLARY BOOM ARMS, RISERS/STEMS ARE SHOWN INDICATIVE ONLY AND TO BE CONFIRMED BY THE MAST SUPPLIER.

SCALE: 1:5 AT A1

ADVERTISED PLAN

A	23-07-2024	CONSTRUCTION ISSUE	DN.
Issue	Date	Description	App'd

Client:



Project:

116m (nom.) TEMP. GUYED LATTICE MAST
AT: MEERING WEST, VICTORIA

Title:

TOP MAST ASSEMBLY BOOM ARM DETAILS

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Designed

DN.

Drawn

JZ.

Checked

DN

Approved

2405

Job No.	
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12109-02

Scale

VARIATIONS

1000

File Name

Date _____

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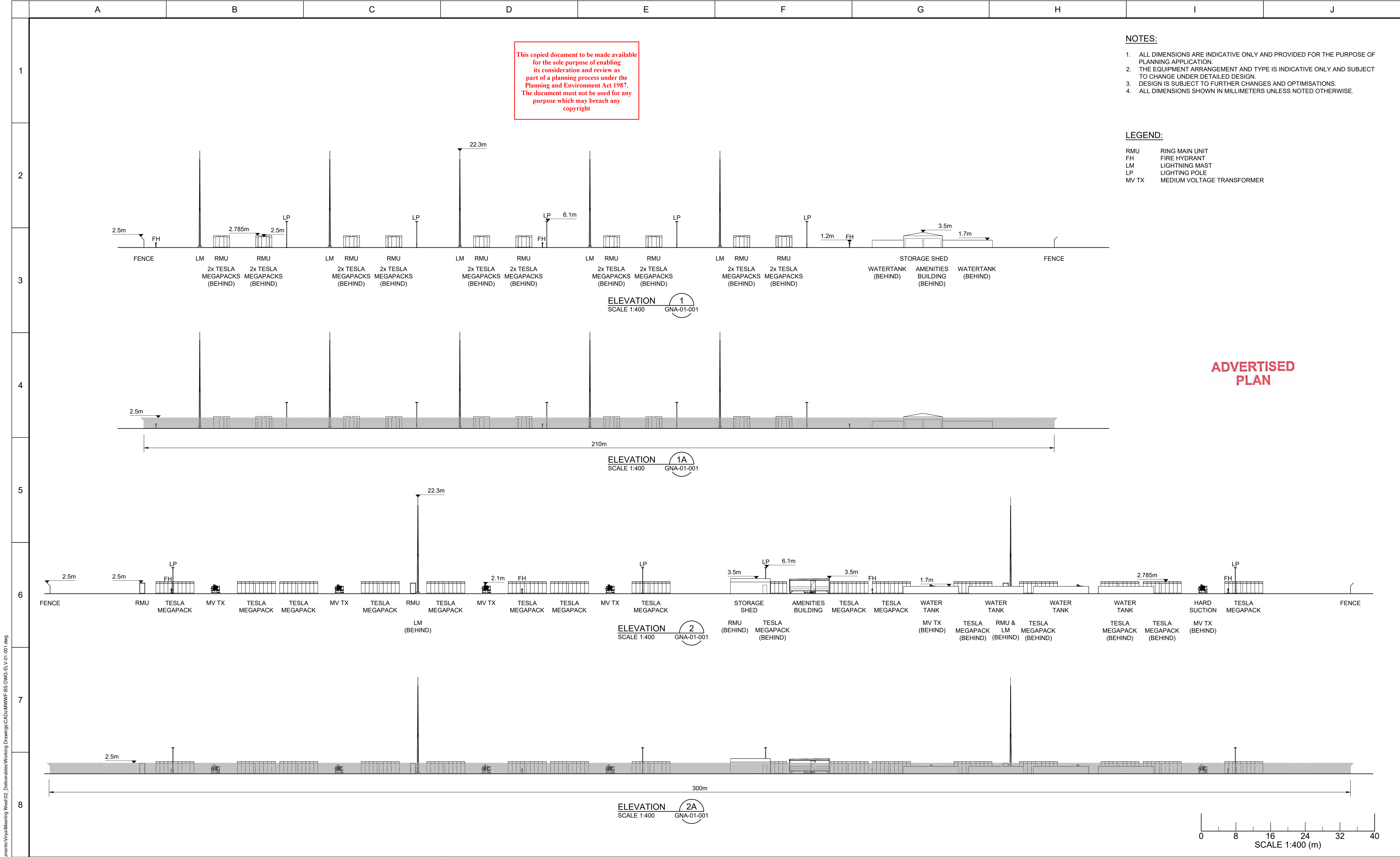
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S6

S6

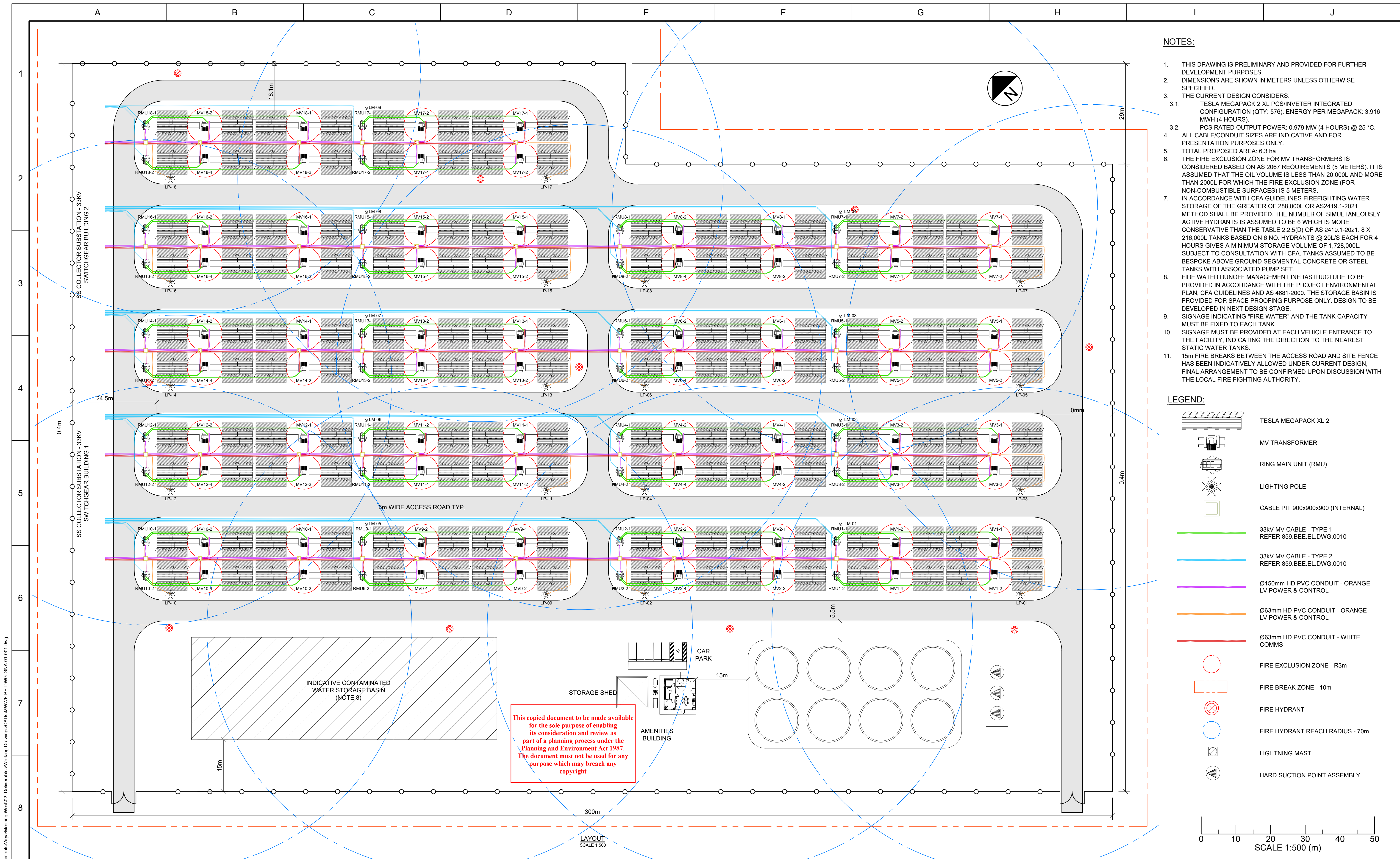
S6

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C:\Users\RogerRiversen\Grid-Link\Projects - Data	DRAWING TO BE SCALED FROM A1 SHEET		CLIENT	MEERING WEST WIND FARM												DRAWN	R.RIVERSON	25/07/2025	 © GRID-LINK	PROJECT		MEERING WEST WIND FARM	
	PLEASE NOTE: THIS DRAWING AND THE INFORMATION CONTAINED HEREIN REMAINS THE PROPERTY OF GRID-LINK AND IS TO BE USED ONLY IN ACCORDANCE WITH THE CONTRACTUAL REQUIREMENTS. REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION IS EXPRESSLY PROHIBITED.														DESIGNED	D.SINGH	25/07/2025	TITLE		MEERING WEST 500MW BESS			
																				ELEVATIONS			
											</												

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- NOTES:**
- THIS DRAWING IS PRELIMINARY AND PROVIDED FOR FURTHER DEVELOPMENT PURPOSES.
 - DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE SPECIFIED.
 - THE CURRENT DESIGN CONSIDERS:
 - TESLA MEGAPACK 2 XL PCS/INVERTER INTEGRATED CONFIGURATION (QTY: 576). ENERGY PER MEGAPACK: 3.916 MWH (4 HOURS).
 - PCS RATED OUTPUT POWER: 0.979 MW (4 HOURS) @ 25 °C.
 - ALL CABLE/CONDUIT SIZES ARE INDICATIVE AND FOR PRESENTATION PURPOSES ONLY.
 - TOTAL PROPOSED AREA: 6.3 ha
 - THE FIRE EXCLUSION ZONE FOR MV TRANSFORMERS IS CONSIDERED BASED ON AS 2067 REQUIREMENTS (5 METERS). IT IS ASSUMED THAT THE OIL VOLUME IS LESS THAN 20,000L AND MORE THAN 2000L FOR WHICH THE FIRE EXCLUSION ZONE (FOR NON-COMBUSTIBLE SURFACES) IS 5 METERS.
 - IN ACCORDANCE WITH CFA GUIDELINES FIREFIGHTING WATER STORAGE OF THE GREATER OF 288,000L OR AS2419.1-2021 METHOD SHALL BE PROVIDED. THE NUMBER OF SIMULTANEOUSLY ACTIVE HYDRANTS IS ASSUMED TO BE 6 WHICH IS MORE CONSERVATIVE THAN THE TABLE 2.2.5(D) OF AS 2419.1-2021. 8 X 216,000L TANKS BASED ON 6 NO. HYDRANTS @ 20L/S EACH FOR 4 HOURS GIVES A MINIMUM STORAGE VOLUME OF 1,728,000L. SUBJECT TO CONSULTATION WITH CFA. TANKS ASSUMED TO BE BESPOKE ABOVE GROUND SEGMENTAL CONCRETE OR STEEL TANKS WITH ASSOCIATED PUMP SET.
 - FIRE WATER RUNOFF MANAGEMENT INFRASTRUCTURE TO BE PROVIDED IN ACCORDANCE WITH THE PROJECT ENVIRONMENTAL PLAN, CFA GUIDELINES AND AS 4681-2000. THE STORAGE BASIN IS PROVIDED FOR SPACE PROOFING PURPOSE ONLY. DESIGN TO BE DEVELOPED IN NEXT DESIGN STAGE.
 - SIGNAGE INDICATING "FIRE WATER" AND THE TANK CAPACITY MUST BE FIXED TO EACH TANK.
 - SIGNAGE MUST BE PROVIDED AT EACH VEHICLE ENTRANCE TO THE FACILITY, INDICATING THE DIRECTION TO THE NEAREST STATIC WATER TANKS.
 - 15m FIRE BREAKS BETWEEN THE ACCESS ROAD AND SITE FENCE HAS BEEN INDICATIVELY ALLOWED UNDER CURRENT DESIGN, FINAL ARRANGEMENT TO BE CONFIRMED UPON DISCUSSION WITH THE LOCAL FIRE FIGHTING AUTHORITY.

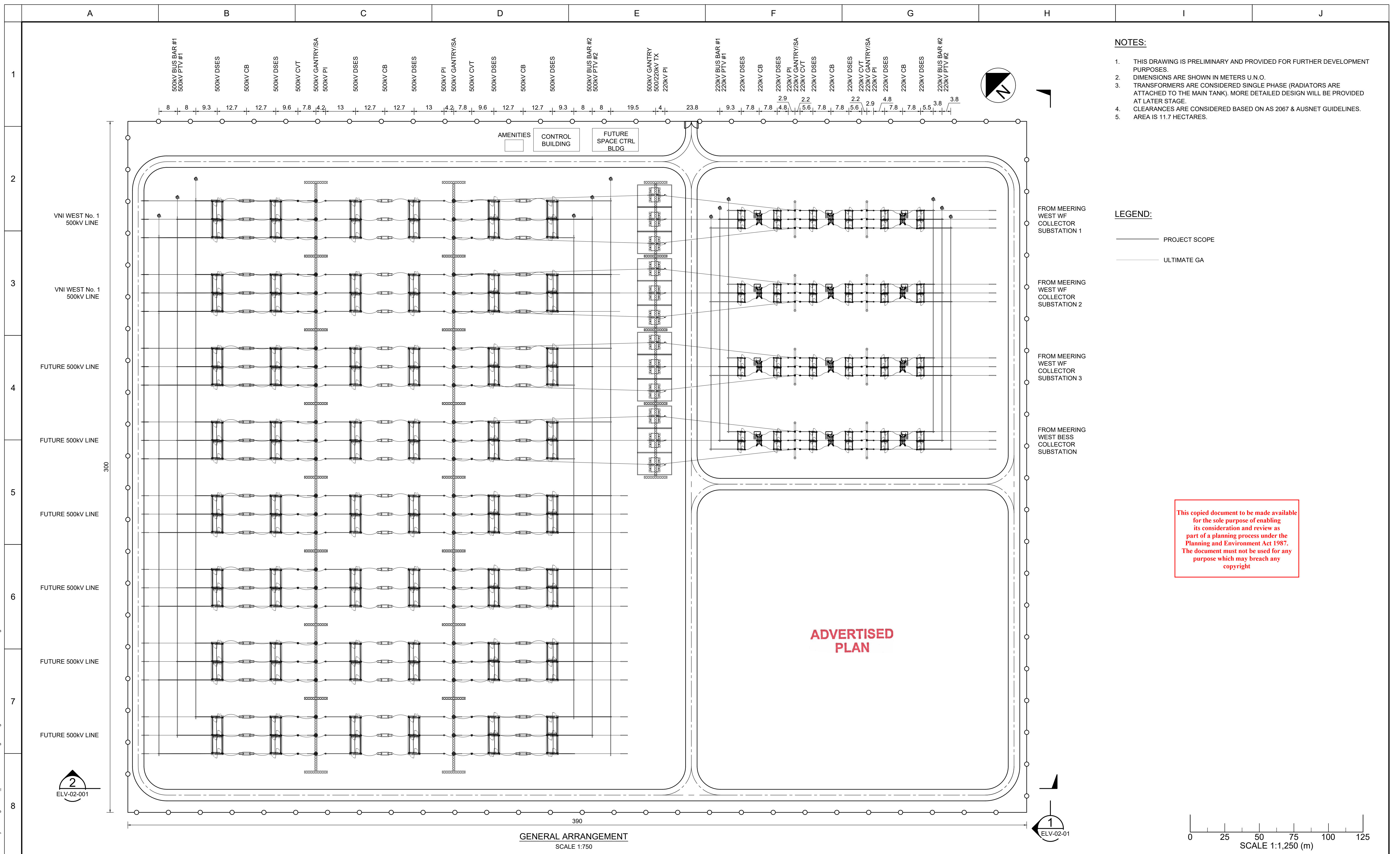
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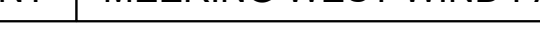
- TESLA MEGAPACK XL 2
- MV TRANSFORMER
- RING MAIN UNIT (RMU)
- LIGHTING POLE
- CABLE PIT 900x900x900 (INTERNAL)
- 33kV MV CABLE - TYPE 1
REFER 859.BEE.EL.DWG.0010
- 33kV MV CABLE - TYPE 2
REFER 859.BEE.EL.DWG.0010
- Ø150mm HD PVC CONDUIT - ORANGE
LV POWER & CONTROL
- Ø63mm HD PVC CONDUIT - ORANGE
LV POWER & CONTROL
- Ø63mm HD PVC CONDUIT - WHITE
COMMS
- FIRE EXCLUSION ZONE - R3m
- FIRE BREAK ZONE - 10m
- FIRE HYDRANT
- FIRE HYDRANT REACH RADIUS - 70m
- LIGHTNING MAST
- HARD SUCTION POINT ASSEMBLY

0 10 20 30 40 50
SCALE 1:500 (m)

DRAWING TO BE SCALED FROM A1 SHEET		CLIENT	MEERING WEST WIND FARM							DRAWN			R.RIVERSON	23/08/2024	 © GRID-LINK	PROJECT	MEERING WEST WIND FARM				
PLEASE NOTE: THIS DRAWING AND THE INFORMATION CONTAINED HEREIN REMAINS THE PROPERTY OF GRID-LINK AND IS TO BE USED ONLY IN ACCORDANCE WITH THE CONTRACTUAL REQUIREMENTS. REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION IS EXPRESSLY PROHIBITED.										DESIGNED			H.SHAHI	23/08/2024		TITLE	MEERING WEST 500MW BESS				
										REVIEWED			A.O'KEEFFE	23/08/2024		BESS OVERALL GENERAL ARRANGEMENT					
										APPROVED			A.O'KEEFFE	23/08/2024							
			C PRELIMINARY							RR	HS	AOK	PV	TBC		PRELIMINARY NOT FOR CONSTRUCTION					
			B PRELIMINARY							RR	RK	AOK	PV	26/09/24							
A PRELIMINARY							RR	HS	AOK	AOK	23/08/24										
REV	DESCRIPTION							DRN	DES	RVD	APP	DATE	SCALE	1:500			A1	MWWF-BS-DWG-GNA-01-001	C		
															SIZE	DRAWING NUMBER			REV		

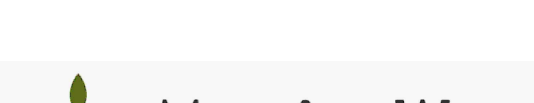
ADVERTISED
PLAN



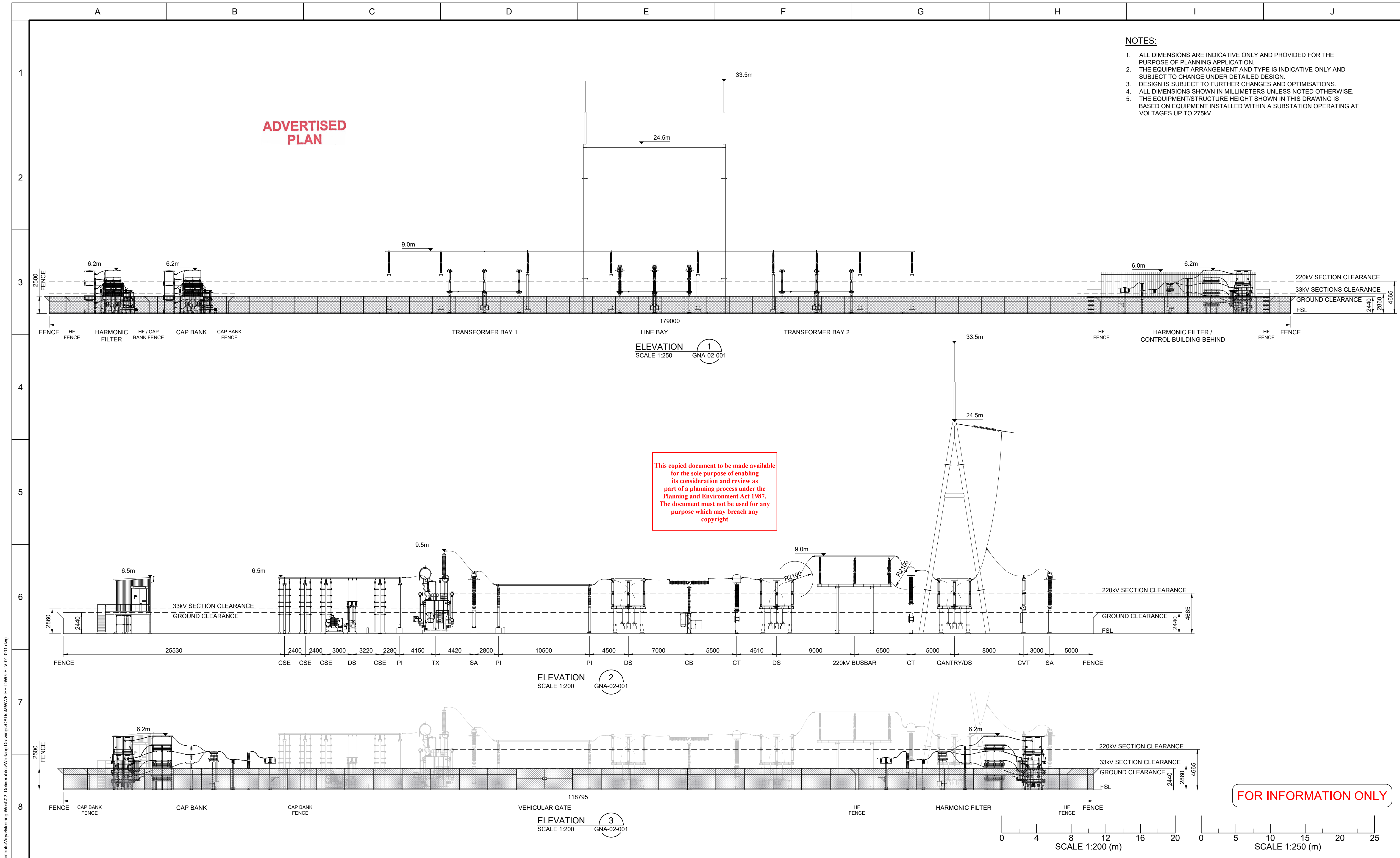
DRAWING TO BE SCALED FROM A1 SHEET				CLIENT	MEERING WEST WIND FARM														DRAWN	R.RIVerson	23/08/2024	 © GRID-LINK	PROJECT		MEERING WEST WIND FARM			
PLEASE NOTE: THIS DRAWING AND THE INFORMATION CONTAINED HEREIN REMAINS THE PROPERTY OF GRID-LINK AND IS TO BE USED ONLY IN ACCORDANCE WITH THE CONTRACTUAL REQUIREMENTS. REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION IS EXPRESSLY PROHIBITED.																		DESIGNED	H.SHAHI	23/08/2024	TITLE		500/220KV TERMINAL STATION					
																											ULTIMATE GENERAL ARRANGEMENT	
								B	PRELIMINARY				RR	DS	HS	KH	04/08/25	PRELIMINARY NOT FOR CONSTRUCTION										
								A	PRELIMINARY				RR	HS	AOK	AOK	23/08/24											
								REV	DESCRIPTION				DRN	DES	RVD	APP	DATE	SCALE	1:1,250				A1	MWWF-EP-DWG-GNA-01-001		B		
																SIZE	DRAWING NUMBER		REV									

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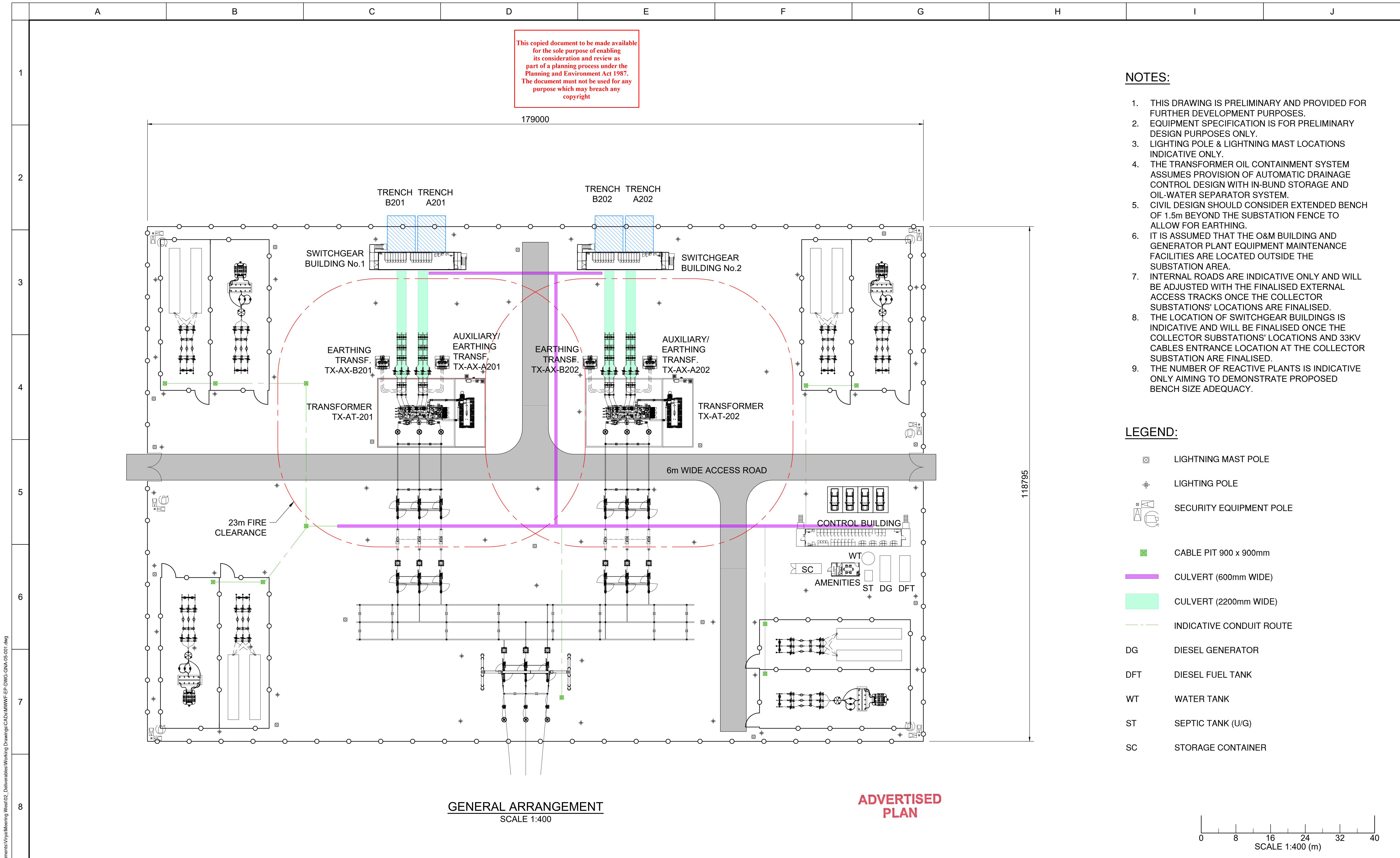
C:\Users\Roger.Riverson\Grid-Link\Projects - 1	DRAWING TO BE SCALED FROM A1 SHEET		CLIENT	MEERING WEST WIND FARM											DRAWN	R.RIVERSON	04/08/2025	 © GRID-LINK	PROJECT	MEERING WEST WIND FARM			
	PLEASE NOTE: THIS DRAWING AND THE INFORMATION CONTAINED HEREIN REMAINS THE PROPERTY OF GRID-LINK AND IS TO BE USED ONLY IN ACCORDANCE WITH THE CONTRACTUAL REQUIREMENTS. REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION IS EXPRESSLY PROHIBITED.													DESIGNED	D.SINGH	04/08/2025	TITLE		500/220kV TERMINAL STATION				
																REVIEWED	H.SHAHI		04/08/2025	ELEVATIONS			
																	APPROVED		K.HARINDER	04/08/2025			
																	PRELIMINARY NOT FOR CONSTRUCTION						
	A	PRELIMINARY - FOR INFORMATION ONLY				RR	DS	HS	KH	04/08/2025							A1		MWWF-EP-DWG-ELV-02-001	A			
	REV	DESCRIPTION				DRN	DES	RVD	APP	DATE	SCALE	1:500							SIZE	DRAWING NUMBER		REV	

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DRAWING TO BE SCALED FROM A1 SHEET		CLIENT	MEERING WEST WIND FARM										DRAWN			R.RIVERSON			18/07/2025			 © GRID-LINK			PROJECT		MEERING WEST WIND FARM																	
PLEASE NOTE: THIS DRAWING AND THE INFORMATION CONTAINED HEREIN REMAINS THE PROPERTY OF GRID-LINK AND IS TO BE USED ONLY IN ACCORDANCE WITH THE CONTRACTUAL REQUIREMENTS. REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION IS EXPRESSLY PROHIBITED.												DESIGNED			D.SINGH			18/07/2025			TITLE				WIND FARM 220/33kV SUBSTATION																			
												REVIEWED			H.SHAHI			18/07/2025			ELEVATIONS																							
												APPROVED			K.HARINDER			18/07/2025																										
												A			PRELIMINARY - FOR INFORMATION ONLY			RR			DS			HS			KH			18/07/2025			PRELIMINARY NOT FOR CONSTRUCTION					A1		MWWF-EP-DWG-ELV-01-001			A	
REV		DESCRIPTION										DRN			DES			RVD			APP			DATE			SCALE		AS SHOWN			SIZE		DRAWING NUMBER			REV							

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NOTES:

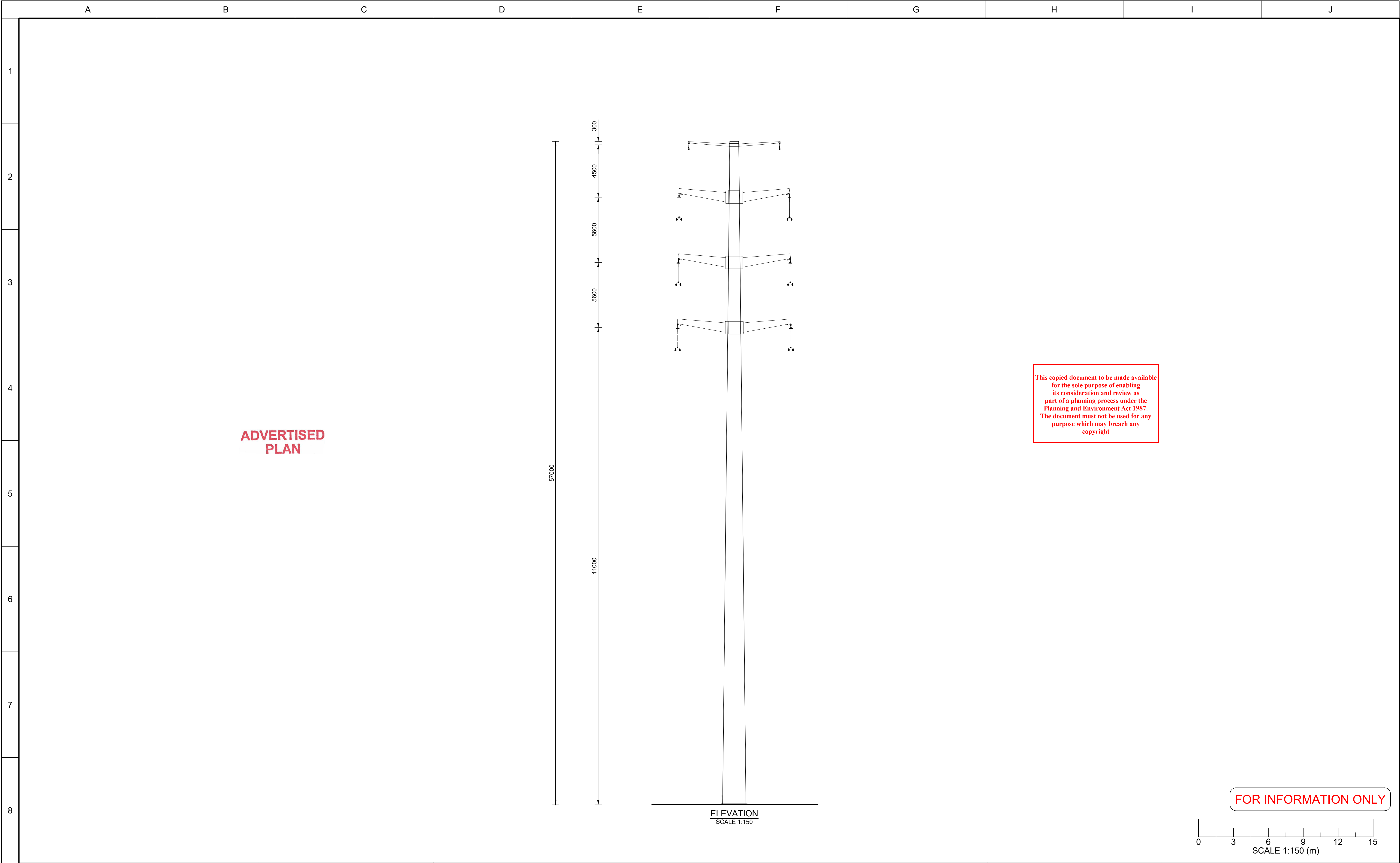
- THIS DRAWING IS PRELIMINARY AND PROVIDED FOR FURTHER DEVELOPMENT PURPOSES.
- EQUIPMENT SPECIFICATION IS FOR PRELIMINARY DESIGN PURPOSES ONLY.
- LIGHTING POLE & LIGHTNING MAST LOCATIONS INDICATIVE ONLY.
- THE TRANSFORMER OIL CONTAINMENT SYSTEM ASSUMES PROVISION OF AUTOMATIC DRAINAGE CONTROL DESIGN WITH IN-BUND STORAGE AND OIL-WATER SEPARATOR SYSTEM.
- CIVIL DESIGN SHOULD CONSIDER EXTENDED BENCH OF 1.5m BEYOND THE SUBSTATION FENCE TO ALLOW FOR EARTHING.
- IT IS ASSUMED THAT THE O&M BUILDING AND GENERATOR PLANT EQUIPMENT MAINTENANCE FACILITIES ARE LOCATED OUTSIDE THE SUBSTATION AREA.
- INTERNAL ROADS ARE INDICATIVE ONLY AND WILL BE ADJUSTED WITH THE FINALISED EXTERNAL ACCESS TRACKS ONCE THE COLLECTOR SUBSTATIONS' LOCATIONS ARE FINALISED.
- THE LOCATION OF SWITCHGEAR BUILDINGS IS INDICATIVE AND WILL BE FINALISED ONCE THE COLLECTOR SUBSTATIONS' LOCATIONS AND 33KV CABLES ENTRANCE LOCATION AT THE COLLECTOR SUBSTATION ARE FINALISED.
- THE NUMBER OF REACTIVE PLANTS IS INDICATIVE ONLY AIMING TO DEMONSTRATE PROPOSED BENCH SIZE ADEQUACY.

LEGEND:

- LIGHTNING MAST POLE
- LIGHTING POLE
- SECURITY EQUIPMENT POLE
- CABLE PIT 900 x 900mm
- CULVERT (600mm WIDE)
- CULVERT (2200mm WIDE)
- INDICATIVE CONDUIT ROUTE
- DG DIESEL GENERATOR
- DFT DIESEL FUEL TANK
- WT WATER TANK
- ST SEPTIC TANK (U/G)
- SC STORAGE CONTAINER

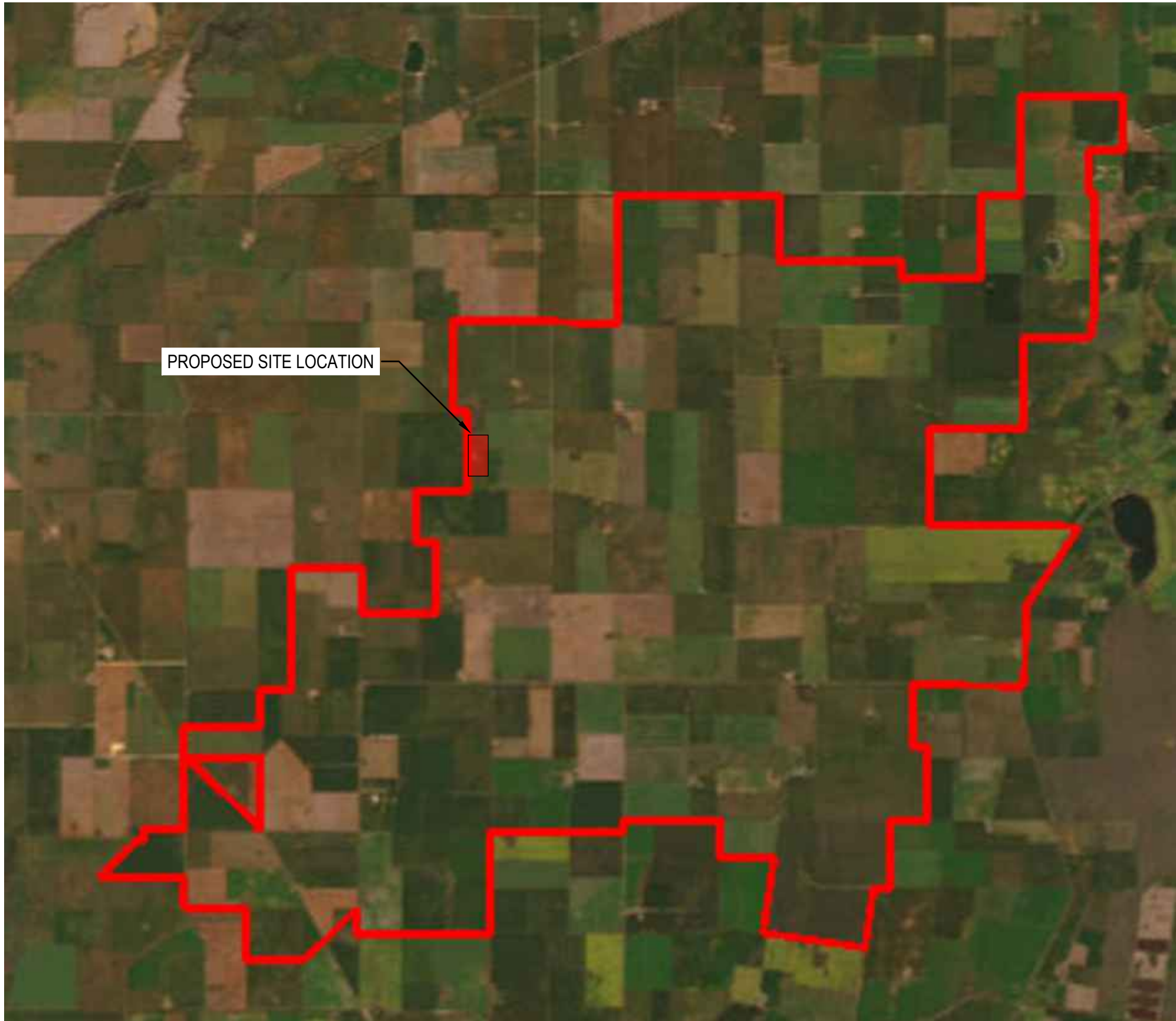
DRAWING TO BE SCALED FROM A1 SHEET		CLIENT	MEERING WEST WIND FARM							DRAWN	R.RIVERSON	05/08/2024	 © GRID-LINK	PROJECT	MEERING WEST WIND FARM				
PLEASE NOTE: THIS DRAWING AND THE INFORMATION CONTAINED HEREIN REMAINS THE PROPERTY OF GRID-LINK AND IS TO BE USED ONLY IN ACCORDANCE WITH THE CONTRACTUAL REQUIREMENTS. REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION IS EXPRESSLY PROHIBITED.										DESIGNED	H.SHAHI	05/08/2024		TITLE	BESS 220/33KV COLLECTOR SUBSTATION				
										REVIEWED	P.VONG	05/08/2024		GENERAL ARRANGEMENT					
										APPROVED	P.VONG	05/08/2024							
										PRELIMINARY NOT FOR CONSTRUCTION									
A	PRELIMINARY		RR	HS	PV	PV	05/08/24												
REV	DESCRIPTION		DRN	DES	RVD	APP	DATE	SCALE	1:400			A1	MWWF-EP-DWG-GNA-05-001	A					
				REV	DESCRIPTION			DRN	DES	RVD	APP	DATE	SCALE	1:400		SIZE	DRAWING NUMBER		REV

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DRAWING TO BE SCALED FROM A1 SHEET		CLIENT	MEERING WEST WIND FARM												DRAWN	R.RIVERSON	08/09/2025	 © GRID-LINK	PROJECT	MEERING WEST WIND FARM			
PLEASE NOTE: THIS DRAWING AND THE INFORMATION CONTAINED HEREIN REMAINS THE PROPERTY OF GRID-LINK AND IS TO BE USED ONLY IN ACCORDANCE WITH THE CONTRACTUAL REQUIREMENTS. REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION IS EXPRESSLY PROHIBITED.														DESIGNED	H.SHAHI	08/09/2025	TITLE		220kV OHTL POLE				
																REVIEWED	H.SHAHI		08/09/2025	ELEVATION			
																	APPROVED		K.HARINDER	08/09/2025	A1	MWWF-TL-DWG-ELV-01-001	B
				B	PRELIMINARY - FOR INFORMATION ONLY		RR	HS	HS	KH	09/09/2025	PRELIMINARY NOT FOR CONSTRUCTION					SIZE		DRAWING NUMBER		REV		
				A	PRELIMINARY - FOR INFORMATION ONLY		RR	HS	HS	KH	08/09/2025												
REV	DESCRIPTION		DRN	DES	RVD	APP	DATE	SCALE	1:150														

Plot Date: 2026-04-16 9:42 AM Filename: 527201-DWG-0001.DWG



LOCALITY - PLAN
NTS



PROPOSED SITE LOCATION - PLAN
SCALE: 1:2000

ADVERTISED
PLAN

DRAWING INDEX	
DRAWING No.	DESCRIPTION
527201-DWG-0001	LOCALITY AND DRAWING INDEX
527201-DWG-0002	CONSTRUCTION COMPOUND - SITE LAYOUT - PLAN
527201-DWG-0003	CONSTRUCTION COMPOUND - SITE LAYOUT - ELEVATION
527201-DWG-0004	OPERATIONS & MAINTENANCE BUILDING - PLAN
527201-DWG-0005	OPERATIONS & MAINTENANCE BUILDING - ELEVATIONS
527201-DWG-0006	CONCRETE BATCHING PLANT - PLAN
527201-DWG-0007	CONCRETE BATCHING PLANT - ELEVATION

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REFERENCE DRAWINGS			REFERENCE MODELS				
REV	DATE	REVISION DETAILS	REV	DRAWN	DESIGNED	VERIFIED	APPROVED
A	14/11/25	RESPONSE TO DTP RFI	A	D.J.			
B	26/03/26	UPDATED RESPONSE TO DTP RFI	B	D.J.			

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CERTIFIER

DATE

CLIENT


Meering West Wind Farm

CLIENT DOCUMENT NUMBER

REV


Coordinate system
MGA
Height datum
AHD



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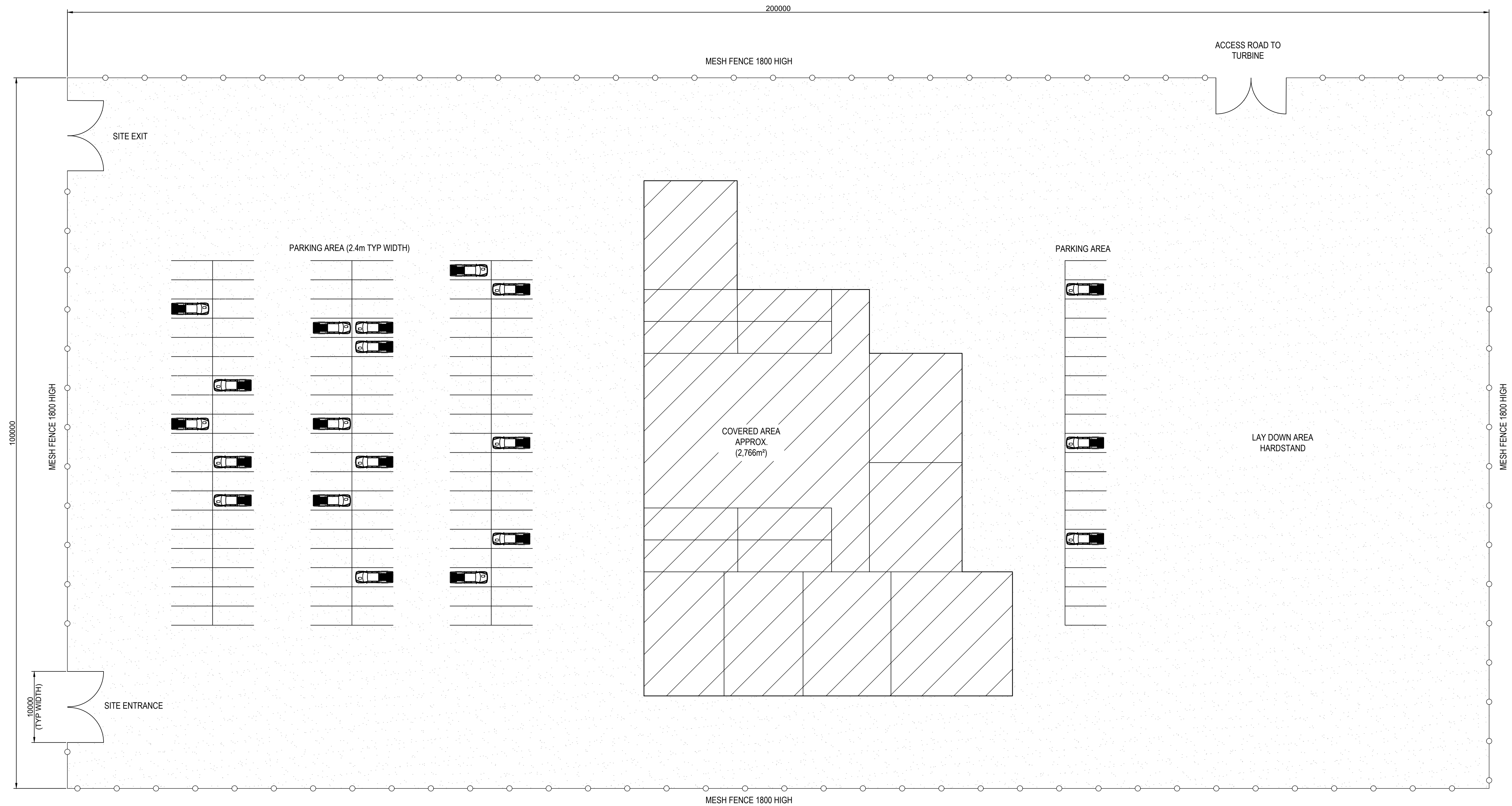
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1:2000

All written dimensions
take precedence over
scaled dimensions.

CONSTRUCTION STATUS		PROJECT			
		MEERING WEST WIND FARM			
DRAWN BY D. JEFFERS		TITLE			
DESIGNED BY		LOCALITY PLAN AND DRAWING INDEX			
STATUS		DOCUMENT CODE			
CODE W1		527201-DWG-0001			
DOCUMENT STATE		SCALE	SIZE	REFERENCE No.	REV
WORK IN PROGRESS		AS SHOWN	A1		B

- NOTES:**
1. ALL DIMENSIONS IN mm U.N.O.
 2. FIRE DETECTION AND SUPPRESSION SYSTEMS TO BE INSTALLED AT THE EARLIEST STAGE OF CONSTRUCTION.
 3. FIRST-AID FIREFIGHTING EQUIPMENT TO BE INSTALLED AT ALL CONSTRUCTION BUILDINGS ON SITE.



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CONSTRUCTION COMPOUND SITE LAYOUT - PLAN

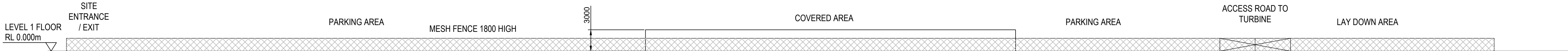
SCALE 1:300

ADVERTISED PLAN

</

- NOTES:
1. ALL DIMENSIONS IN mm U.N.O.
 2. FIRE DETECTION AND SUPPRESSION SYSTEMS TO BE INSTALLED AT THE EARLIEST STAGE OF CONSTRUCTION.
 3. FIRST-AID FIREFIGHTING EQUIPMENT TO BE INSTALLED AT ALL CONSTRUCTION BUILDINGS ON SITE.

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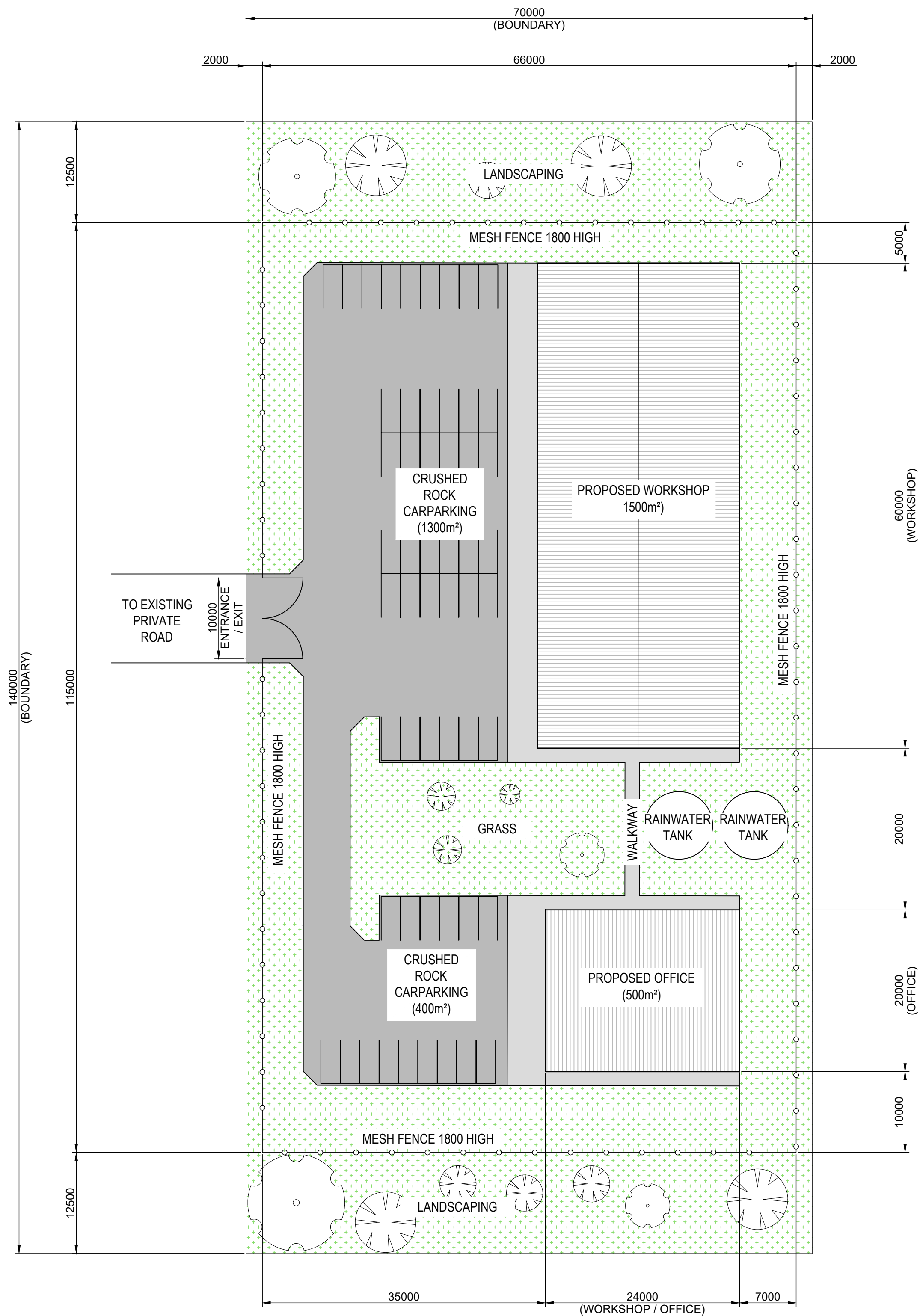
ELEVATION 1
1:300
(LOOKING NORTH)

ADVERTISED
PLAN

Plot Date: 2026-03-26 4:44 PM Filename: 527201-DWG-0003.DWG

REFERENCE DRAWINGS				REFERENCE MODELS				PREPARED BY				CLIENT				CONSTRUCTION STATUS		PROJECT													
								 www.aurecongroup.com								All written dimensions take precedence over scaled dimensions. 		MEERING WEST WIND FARM													
																DRAWN BY D. JEFFERS		TITLE CONSTRUCTION COMPOUND SITE LAYOUT - ELEVATION													
																DESIGNED BY															
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																WORK IN PROGRESS		AS SHOWN		A1				B							
REV				DATE				REVISION DETAILS				REV				DRAWN				DESIGNED				VERIFIED				APPROVED			
A				14/11/25				RESPONSE TO DTP RFI				A				D.J.															
B				23/03/26				UPDATED RESPONSE TO DTP RFI				B				D.J.															

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 2. WORKSHOPS AND OFFICE TO BE FINISHED IN COLOURBOND / NON-REFLECTIVE SHEETING.
 3. INDICATIVE LANDSCAPING SHOWN. LANDSCAPING TO BE PROVIDED IN ACCORDANCE WITH THE CFA LANDSCAPING FOR BUSHFIRE

ADVERTISED PLAN

OPERATIONS & MAINTENANCE - PLAN
SCALE 1:400

REFERENCE DRAWINGS			REFERENCE MODELS			
REV	DATE	REVISION DETAILS	REV	DRAWN	DESIGNED	VERIFIED
A	14/11/25	RESPONSE TO DTP RFI	A	D.J.		
B	26/03/26	UPDATED RESPONSE TO DTP RFI	B	D.J.		

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REV


Coordinate system
MGA
Height datum
AHD


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CONSTRUCTION STATUS

DRAWN BY
D. JEFFERS

DESIGNED BY

STATUS

CODE
W1

DOCUMENT STATE
WORK IN PROGRESS

PROJECT
MEERING WEST WIND FARM

TITLE
OPERATIONS & MAINTENANCE
BUILDING PLAN

DOCUMENT CODE
527201-DWG-0004

SCALE
AS SHOWN

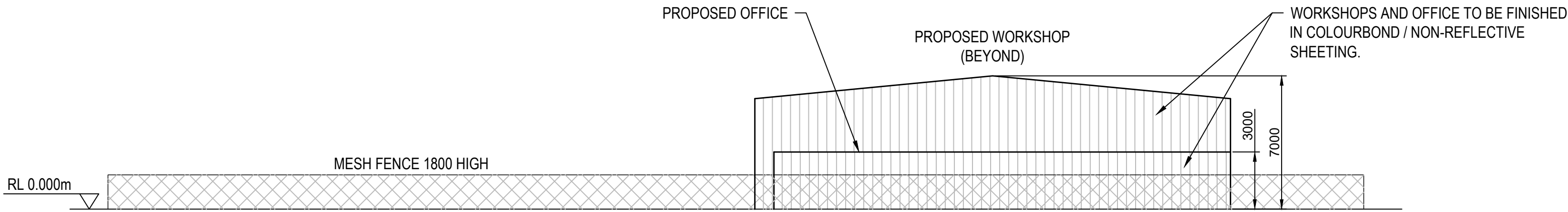
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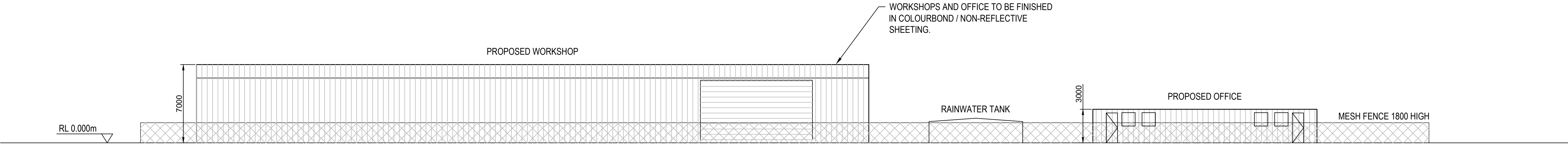
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B

- NOTES:
1. ALL DIMENSIONS IN mm U.N.O.
 2. WORKSHOPS AND OFFICE TO BE FINISHED IN COLOURBOND / NON-REFLECTIVE SHEETING.

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ELEVATION 1
1:200
(LOOKING NORTH)



ELEVATION 2
1:200
(LOOKING EAST)

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REFERENCE DRAWINGS			REFERENCE MODELS				
REV	DATE	REVISION DETAILS	REV	DRAWN	DESIGNED	VERIFIED	APPROVED
A	14/11/25	RESPONSE TO DTP RFI	A	D.J.			
B	26/03/26	UPDATED RESPONSE TO DTP RFI	B	D.B.K.			

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DATE

CLIENT


Meering West Wind Farm

CLIENT DOCUMENT NUMBER

REV

All written dimensions take precedence over scaled dimensions.

Coordinate system MGA
Height datum AHD

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CONSTRUCTION STATUS

DRAWN BY
D. JEFFERS

DESIGNED BY

STATUS

CODE
W1

DOCUMENT STATE
WORK IN PROGRESS

PROJECT
MEERING WEST WIND FARM

TITLE
OPERATIONS & MAINTENANCE BUILDING ELEVATIONS

DOCUMENT CODE
527201-DWG-0005

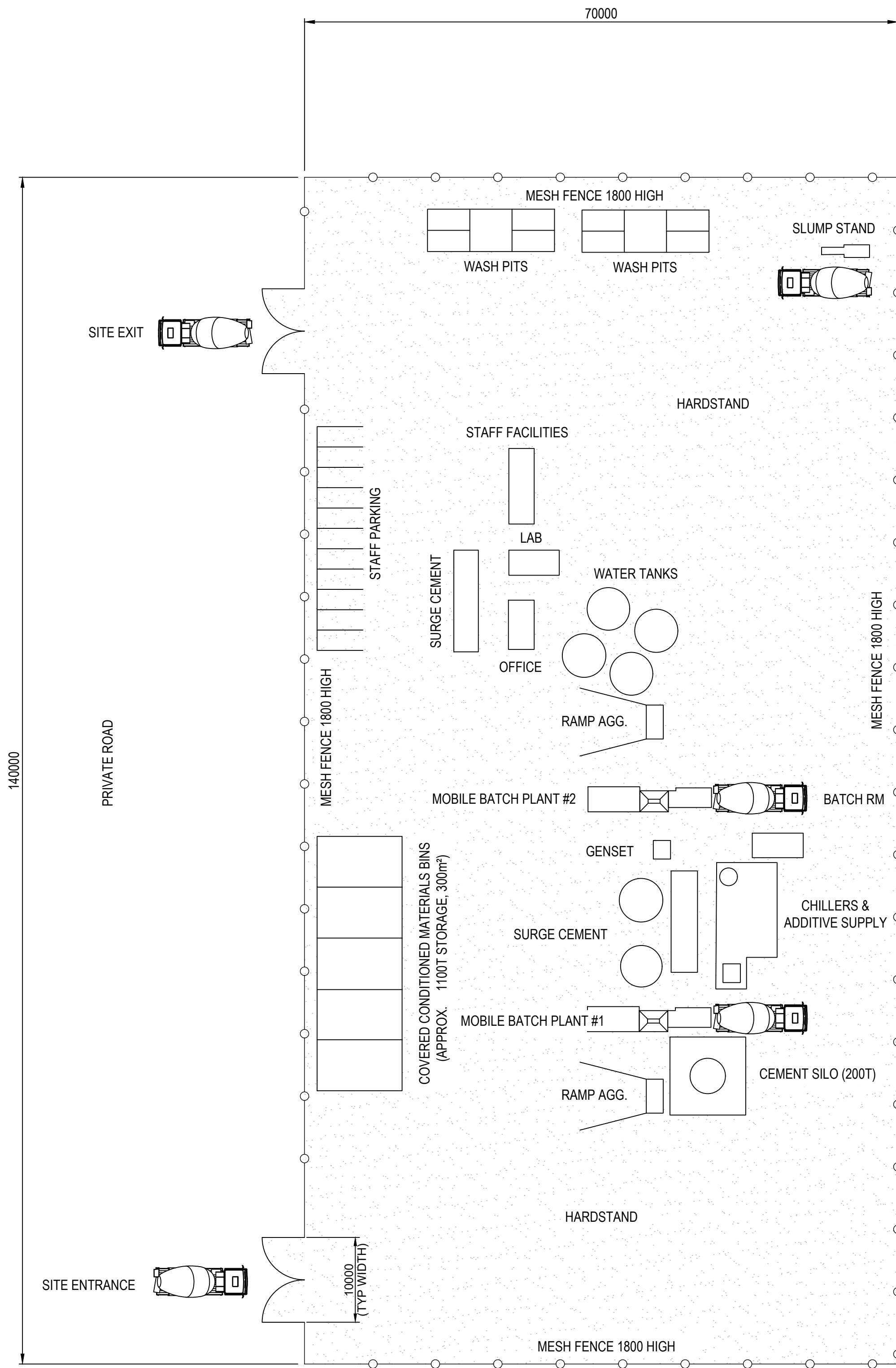
SCALE
AS SHOWN

SIZE
A1

REFERENCE No.

REV
B

ADVERTISED
PLAN



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CONCRETE BATCHING PLANT LAYOUT - PLAN
SCALE 1:400

REFERENCE DRAWINGS			REFERENCE MODELS				
REV	DATE	REVISION DETAILS	REV	DRAWN	DESIGNED	VERIFIED	APPROVED
A	14/11/25	RESPONSE TO DTP RFI	A	D.J.			

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DATE

CLIENT


Meering West Wind Farm

CLIENT DOCUMENT NUMBER

REV


Coordinate system
MGA
Height datum
AHD



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40800

0

8

16m

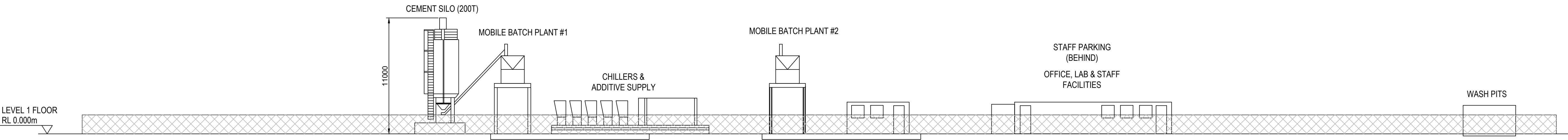
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All written dimensions
take precedence over
scaled dimensions.

CONSTRUCTION STATUS		PROJECT			
		MEERING WEST WIND FARM			
		TITLE			
DRAWN BY D. JEFFERS		CONCRETE BATCHING PLANT LAYOUT PLAN			
DESIGNED BY					
STATUS	CODE	DOCUMENT CODE			
	W1	527201-DWG-0006			
DOCUMENT STATE	SCALE	SIZE	REFERENCE No.	REV	
WORK IN PROGRESS	AS SHOWN	A1		A	

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ELEVATION 1
1:200
(LOOKING WEST)

ADVERTISED
PLAN

Plot Date: 2026-03-26 4:52 PM Filename: 527201-DWG-0007.DWG

REFERENCE DRAWINGS				REFERENCE MODELS				1:2000 20000 40000 80000 160000 320000 640000 1280000 2560000 5120000 10240000 20480000 40960000 81920000 163840000 327680000 655360000 1310720000 2621440000 5242880000 10485760000 20971520000 41943040000 83886080000 167772160000 335544320000 671088640000 1342177280000 2684354560000 5368709120000 10737418240000 21474836480000 42949672960000 85899345920000 171798691840000 343597383680000 687194767360000 1374389534720000 2748779069440000 5497558138880000 10995116277760000 21990232555520000 43980465111040000 87960930222080000 175921860444160000 351843720888320000 703687441776640000 1407374883553280000 2814749767106560000 5629499534213120000 11258999068426240000 22517998136852480000 45035996273704960000 90071992547409920000 180143985094819840000 360287970189639680000 720575940379279360000 1441151880758558720000 2882303761517117440000 5764607523034234880000 11529215046068469760000 23058430092136939520000 46116860184273879040000 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