

Diapur Wind Farm

Figure 1: Dimensioned Site Plan

Component	X Coordinate	Y Coordinate	Coordinate System	Distance to Nearest Boundary (m)	Bearing
Turbine 1	539003	5978133	GDA94 MGA Z54	214	W
Turbine 2	539111	5977631	GDA94 MGA Z54	387	W
Met. Tower	538873	5978043	GDA94 MGA Z54	97	W

Legend

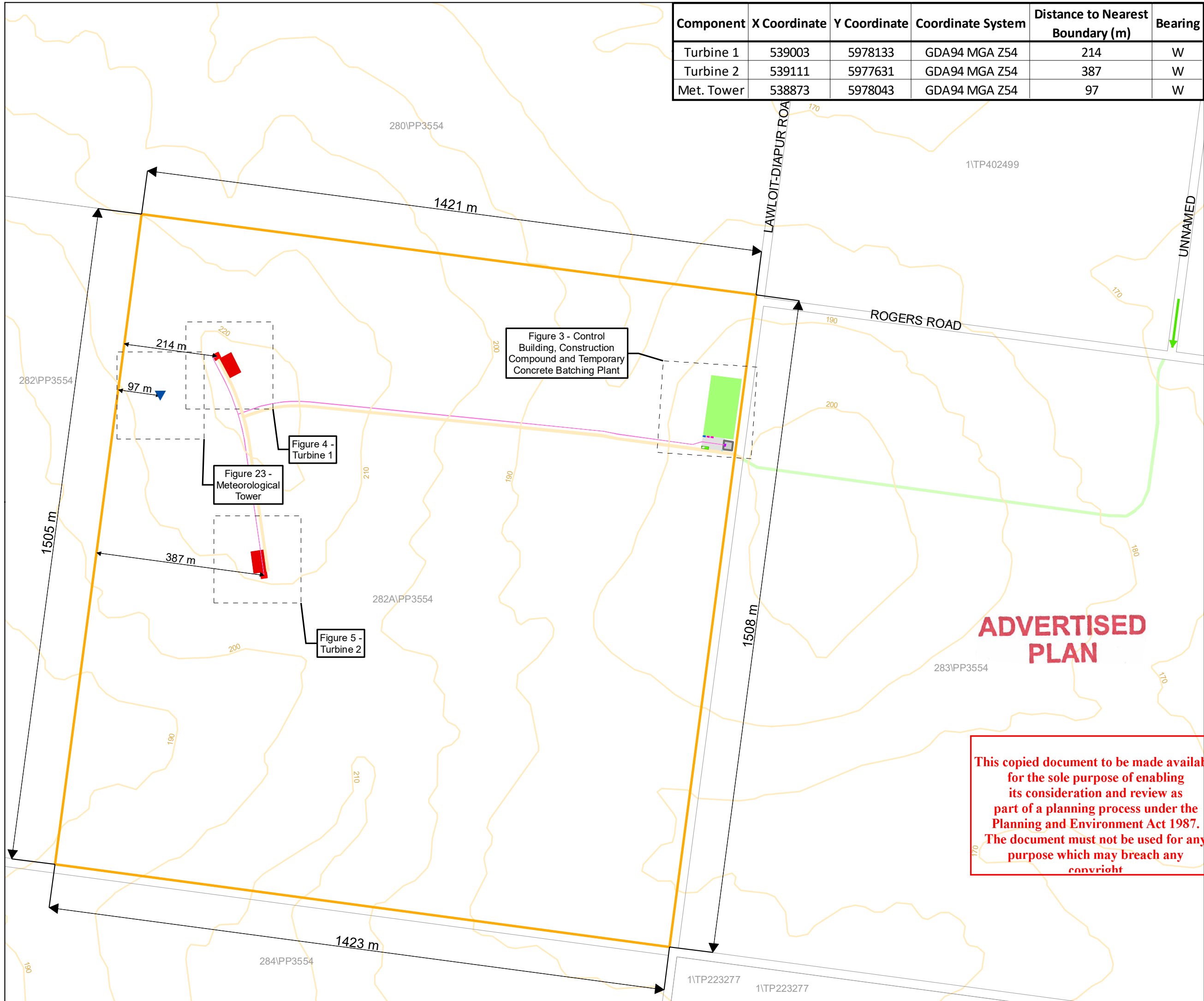
- Site Envelope
- Parcel
- Elevation
- Access to Site

Construction Compound:

- Temporary Ablution Block
- Car Parking
- Temporary Site Office
- Fire Fighting Water Tank

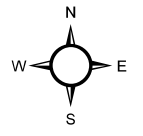
Development Footprint:

- Access Track
- Access to Site via Private Property
- Cable Trench (underground)
- Control Building
- Control Building Fenced Area
- Turbine Foundation
- Hard Stand
- Staging
- Temporary Concrete Batching Plant
- Meteorological Tower

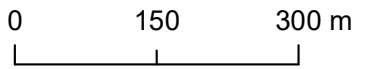


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Scale at A3:
1:8,000



Date: 05/08/2020

DIAPUR VICTORIA

100m - GL550 - GL360 TEMPORARY GUYED LATTICE MAST

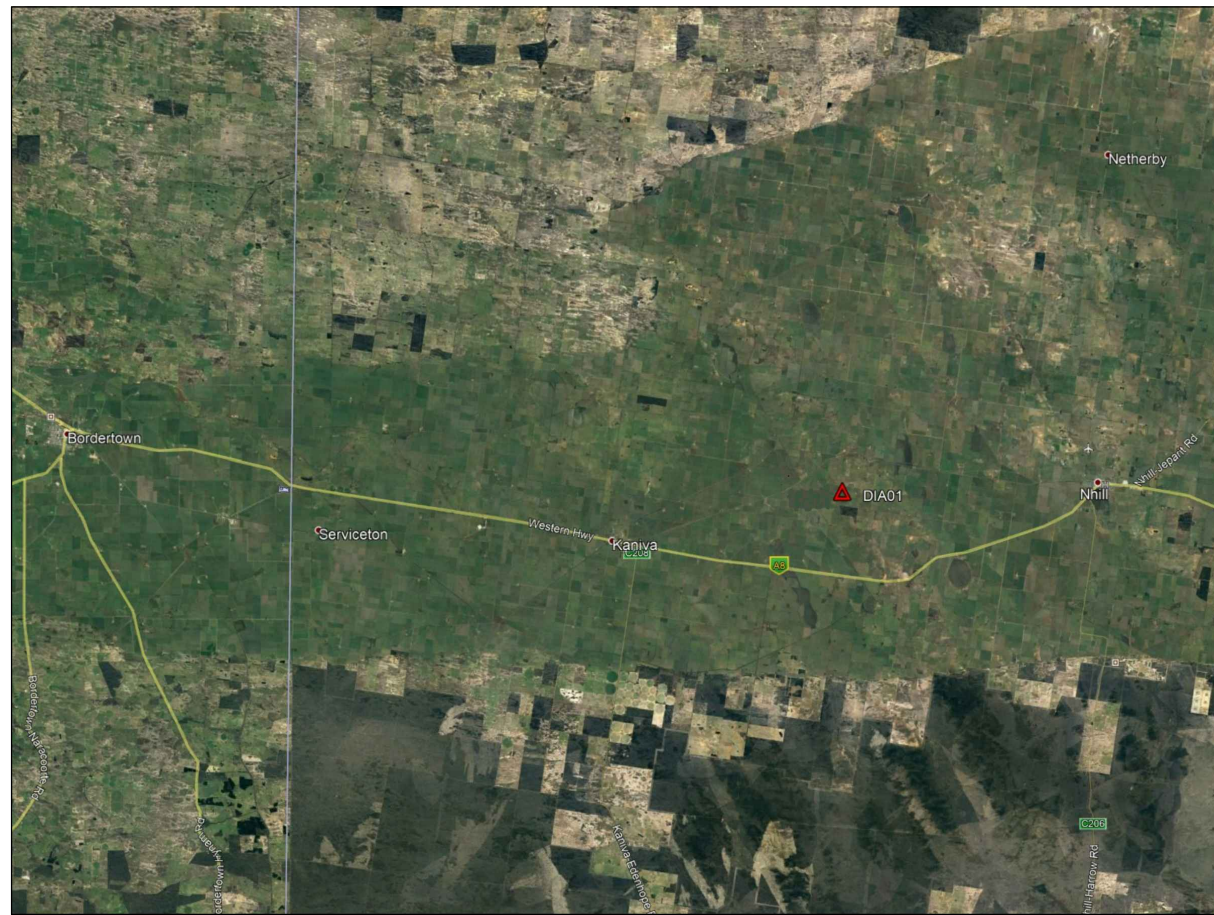
TERRAIN CATEGORY 2.0 - REGION A1

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DRAWING REGISTER			
SHEET No.	DRAWING No.	REV.	DESCRIPTION
1 OF 9	ART-19126-DRG-001	02	TITLE SHEET & DRAWING REGISTER
2 OF 9	ART-19126-DRG-002	00	GENERAL NOTES
3 OF 9	ART-19126-DRG-003	01	GENERAL LAYOUT PLAN & ISOMETRIC VIEW
4 OF 9	ART-19126-DRG-004	01	GENERAL ELEVATION VIEW & ANCILLARY
5 OF 9	ART-19126-DRG-005	01	FOUNDATION ASSEMBLY
6 OF 9	ART-19126-DRG-006	01	BOOM ARM & ANCILLARY ASSEMBLY
7 OF 9	ART-19126-DRG-007	00	EARTHING ASSEMBLY
8 OF 9	ART-19126-DRG-008	00	FALL ARREST ASSEMBLY
9 OF 9	ART-19126-DRG-009	00	FENCE ASSEMBLY

MAST NAME	COORDINATES	
DIA01	-36.342290 (36°20'32.2"S)	141.432801 (141°25'58.1"E)



AERIAL VIEW AT APPROXIMATE 100km (N.T.S.)



AERIAL VIEW AT APPROXIMATE 10km (N.T.S.)

▲ DENOTES LOCATION OF THE MAST

Dr. Haydar Yasir Faleh
 PHD, MIEAust, CPEng
 Chartered Professional Engineer
 Membership No. 3256378

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REV	DATE	DESCRIPTION	DSN	DRW	CHK	APV
02	26/03/20	REMOVED ANTI-CLIMB AS PER SOW AND UPDATED DRAWING REGISTER	HY	LW	HY	HY
01	24/03/20	REVISED SHEET 5 FOUNDATION ASSEMBLY AND UPDATED DRAWING REGISTER	HY	LW	HY	HY
00	23/03/20	ISSUED FOR CONSTRUCTION	HY	LW	HY	HY
A	17/03/20	ISSUED FOR APPROVAL	HY	LW	HY	HY

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ART GROUP
 119-125 QUARRY ROAD, MURWILLUMBAH, NSW 2484
 PH. 02 6672 6200 E-MAIL: ADMIN@ARTOWERS.COM.AU
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DRAWING No.	ART-19126-DRG-001	REV.	02
PROJECT:	DIAPUR WIND FARM 100m (NOM.) - GL55 & GL36 DIA01 TEMPORARY GUYED LATTICE MAST		A3
TITLE:	TITLE SHEET & DRAWING REGISTER		SHEET 1 OF 9

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GENERAL NOTES

- ALL DIMENSIONS ARE TO BE CHECKED ON SITE BEFORE WORK COMMENCES.
- ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS NOTED OTHERWISE.
- DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
- DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.
- ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH THE CURRENT AUSTRALIAN STANDARDS AND THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITY.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL CONSTRUCTION AND TEMPORARY WORKS ARE STABLE AT ALL TIMES.

DESIGN LOADS

WIND LOAD: AS 3995 & AS 1170.2
 WIND REGION _____ A1
 TERRAIN CATEGORY _____ 2.0
 STRUCTURE TYPE _____ III
 TOPOGRAPHIC MULTIPLIER Mt _____ 1.06
 DIRECTION MULTIPLIER Md _____ 1.0
 WIND SERVICE SPEED Vs _____ 21 m/s
 ULTIMATE WIND SPEED Vu _____ 41 m/s(#)
 STRUCTURE SERVICE LIFE _____ 5 YRS. (Δ)

(#) ULTIMATE GUST WIND SPEED WITH 5% RISK OF EXCEEDING IN 5 YEARS DESIGN WORKING LIFE.

(Δ) MINIMUM SERVICE LIFE EXPECTED FOR STEEL MEMBERS, PROTECTIVE COATINGS AND CONCRETE ELEMENTS WITHOUT ISSUES THAT MAY COMPROMISE THEIR STRUCTURAL INTEGRITY IN NORMAL LEVEL OF MAINTENANCE.

FOUNDATIONS

- REQUIRED MINIMUM SAFE BEARING CAPACITY OF FOUNDATION MATERIAL SHALL BE 100 kPa. ALL TOPSOIL AND UPPER STRATA CONTAINING ORGANIC MATTER TO BE REMOVED.
- WHERE LOOSE GROUND OR WATER INGRESS REQUIRES A WORKING SLAB THE CONTRACTOR MAY PROVIDE A BLINDING LAYER OF 16 MPa CONCRETE, 100mm THICK MINIMUM BENEATH ALL PAD FOOTINGS PRIOR TO INSTALLING MOISTURE BARRIER AND REINFORCEMENT.
- WHERE FILL OR BACKFILL IS REQUIRED, IF 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 SPECIFICATION.

GUY ANCHOR COMPACTION SPECIFICATION

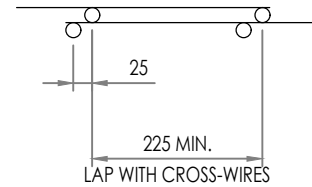
- EXCAVATE ANCHOR PIT AND INSTALL STEEL ANCHOR BEAM, ANCHOR RODS AND ATTACHMENTS.
- TO COVER ANCHOR BEAM INSTALL SELECT FILL MATERIAL WON FROM EXCAVATION OR FROM SURROUNDING SOURCES AND COMPACT THE FILLING. COMPACT FILL IN 150mm COMPACTED DEPTH LAYERS AROUND BEAM. SOURCE FILL AS DESCRIBED IN SECTION 3 BELOW. (MINIMUM DENSITY OF COMPACTED BACKFILL SOIL TO BE 16kN/m³)
- FILL REMAINDER OF ANCHOR EXCAVATION WITH SELECT MATERIAL WON FROM EXCAVATION OR FROM SURROUNDING SOURCES AND COMPACT THE FILLING TO A MINIMUM DENSITY OF $\gamma = 16kN/m^3$ SELECT FILL IS TO BE FREE FROM ANY ORGANIC MATERIAL SUCH AS ROOTS AND TOPSOIL AND BE EITHER x CLAYS AND SILTS (BASED ON $\phi = 20^\circ$ AND $c_u = 20kPa$). OR x SANDS (BASED ON $\phi = 32^\circ$ MIN) 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.
- 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 WHACKER PACKER.

ADVERTISED PLAN

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600.
- 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
FOOTINGS	N25	80mm	20mm
- PROVIDE BAR SUPPORTS OR SPACERS TO GIVE THE FOLLOWING CONCRETE COVER TO ALL REINFORCEMENT UNLESS NOTED OTHERWISE ON DRAWINGS.

 MAST BASE FOOTING:
 50mm TOP, BOTTOM & SIDES (MIN.)
- ALL CONCRETE IS TO BE VIBRATED.
- 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.
- ALL CHAIRS SHALL BE LOCATED AT 800 MAX. CTRS. (BOTH TO SUPPORT REINFORCEMENT AND FIVE THE CORRECT CONCRETE COVER.
- 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.
- WHERE HAND MIX CONCRETE IS REQUIRED USE CONCRETE MIX WITH THE ADDITION OF 1kg OF NEAT CEMENT ADDED TO EACH 20kg BAG OF PREMIX. CONCRETE TO BE MIXED AND INSTALLED IN ACCORDANCE WITH MANUFACTURE'S SPECIFICATIONS.
- LAPS AND SPLICES TO REINFORCEMENT SHALL BE MADE ONLY IN THE POSITIONS AND TO THE DIMENSIONS SHOWN. TYPICAL FABRIC LAP. UNLESS NOTED OTHERWISE:



STEEL WORK

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 4100 AND AS 1554 EXCEPT WHERE VARIED BY CONTRACT DOCUMENTS.
- WELDED CONNECTIONS BETWEEN STRUCTURAL MEMBERS SHALL BE MIN 6mm CONTINUOUS FILLET WELD (OR SIZE EQUIVALENT TO THE MINIMUM THICKNESS OF CONNECTION MEMBERS WHERE LESS THAN 6mm) UNLESS NOTED OTHERWISE. WELDED CONNECTIONS BETWEEN LATTICE & CHORDS SHALL BE MINIMUM 6mm COMPLETE AND INCOMPLETE PENETRATION BUTT WELDS - CLASS SP.
- 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. 12S2 SNUG TIGHTENED ONLY.
- M16 HIGH STRENGTH (8.8/S) BOLTS SHALL BE USED IN ALL CONNECTIONS UNLESS NOTED OTHERWISE. NOTWITHSTANDING THIS, NO STEEL-TO-STEEL CONNECTIONS SHALL BE MADE WITH LESS THAN 2x M16 (8.8/S) BOLTS UNLESS NOTED OTHERWISE. U-BLOTS (4.6/S) SHOULD BE USED FOR ANCILLARIES INSTALLATION UNLESS NOTED OTHERWISE.
- 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 UNLESS NOTED OTHERWISE.
- ALL NUTS, BOLTS AND WASHERS SHALL BE HOT-DIPPED GALVANISED UNLESS NOTED OTHERWISE.
- WELD MATERIAL SHALL HAVE A NOMINAL TENSILE STRENGTH OF 490MPa AS PER AS 4100 AMENDMENT 1, 2012, TABLE 9.7.3.10(1).
- ALL WELDS SHALL BE CATEGORY SP TO AS. 1554 PART 1 UNLESS NOTED OTHERWISE.
- STEEL FABRICATOR SHALL PROVIDE ALL BOLTS NECESSARY FOR THE ERECTION OF THE STEELWORK AS WELL AS BOLTS, HOLES AND CLEATS NECESSARY FOR THE ERECTION OF STEELWORK AS SHOWN, NOTED OR IMPLIED.
- PROTECTIVE SURFACE TREATMENT TO STRUCTURAL STEELWORK SHALL BE AS FOLLOWS:

PROTECTIVE SURFACE TREATMENT NOTE:
 GENERAL MAST ASSEMBLY & GUY ANCHOR RODS:
 HOT-DIP GALVANISE "HDG600" (AS 2312)
 GUY FOOTING ANCHOR BEAMS:
 HOT-DIP GALVANISE "HDG600" (AS 2312)

Dr.Haydar Yasir Faleh
 PHD, MIEAust CPEng
 Chartered Professional Engineer
 Membership No. 3256378

FOR CONSTRUCTION

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00	23/03/20	ISSUED FOR CONSTRUCTION	HY	LW	HY	HY
A	17/03/20	ISSUED FOR APPROVAL	HY	LW	HY	HY
REVISION						

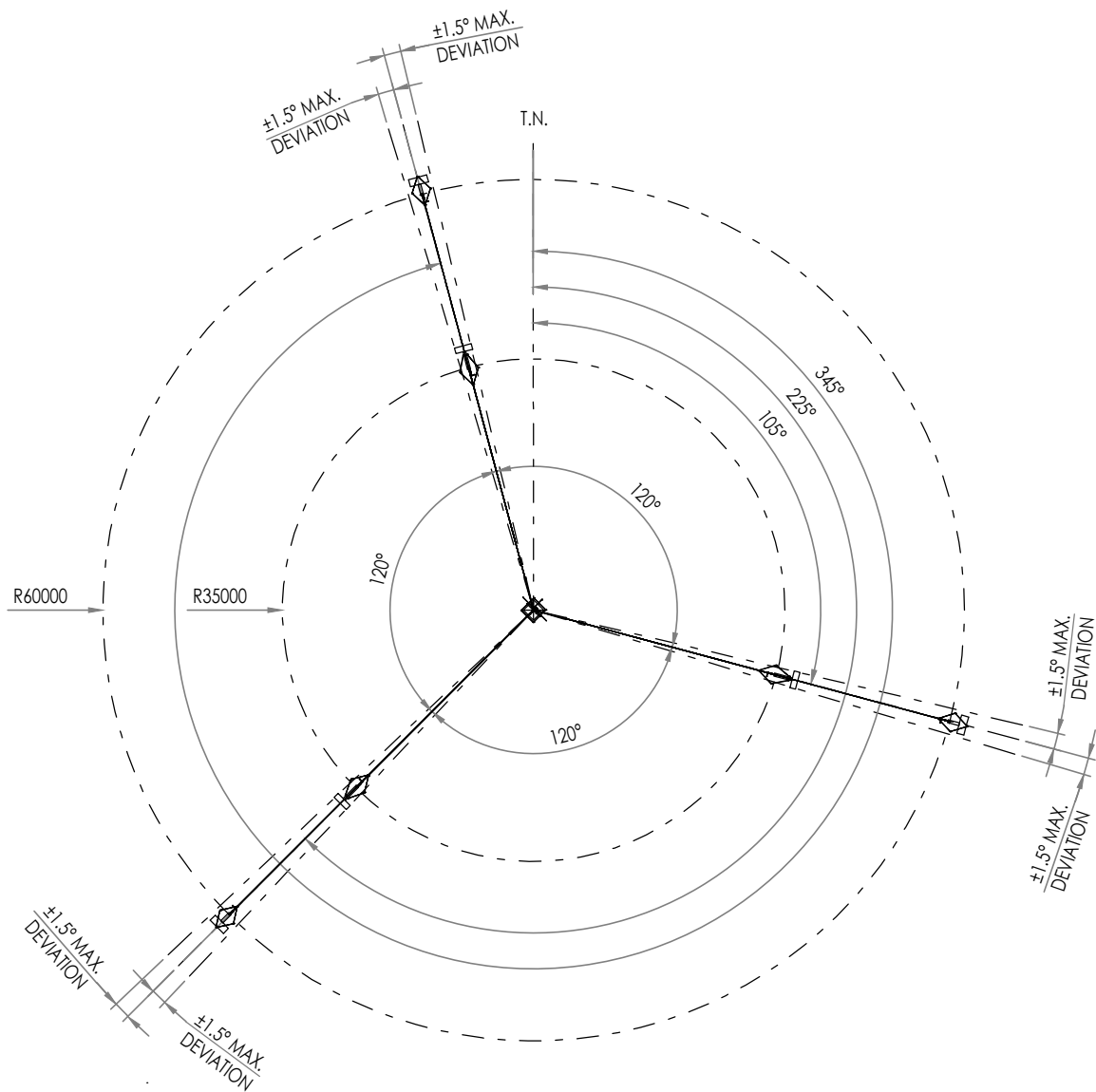
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ART GROUP
 119-125 QUARRY ROAD, MURWILLUMBAH, NSW 2484
 PH. 02 6672 6200 E-MAIL: ADMIN@ARTOWERS.COM.AU
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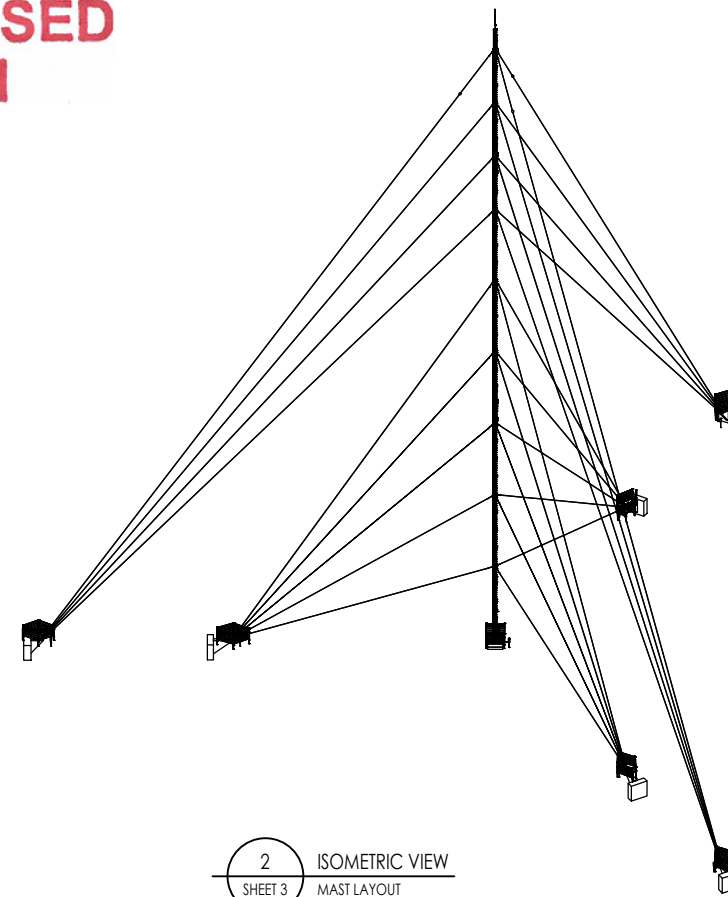
DRAWING No. ART-19126-DRG-002	REV. 00
PROJECT: DIAPUR WIND FARM 100m (NOM.) - GL55 & GL36 DIA01 TEMPORARY GUYED LATTICE MAST	A3
TITLE: GENERAL NOTES	SHEET 2 OF 9

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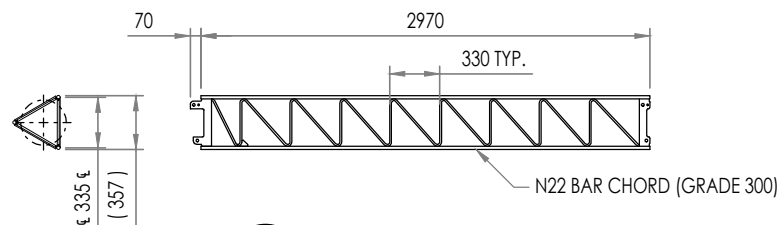
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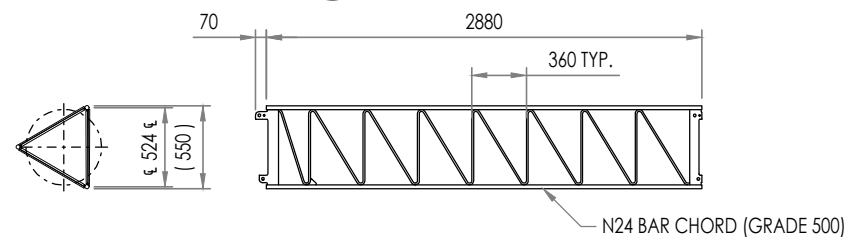
1 PLAN VIEW
SHEET 3
MAST LAYOUT
SCALE: 1:1000



2 ISOMETRIC VIEW
SHEET 3
MAST LAYOUT
SCALE: 1:1000



3 GLCP-0025
SHEET 3
GL36 MAST SECTION TYP.



4 GLCP-0029
SHEET 3
GL55 MAST SECTION TYP.

Dr. Haydar Yasir Faleh
PHD, MIEAust, CPEng
Chartered Professional Engineer
Membership No. 3256378

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01	26/03/20	REMOVED ANTI-CLIMB AS PER SOW	HY	LW	HY	HY
00	23/03/20	ISSUED FOR CONSTRUCTION	HY	LW	HY	HY
A	17/03/20	ISSUED FOR APPROVAL	HY	LW	HY	HY

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ART GROUP

119-125 QUARRY ROAD, MURWILLUMBAH, NSW 2484
PH. 02 6672 6200 E-MAIL: ADMIN@ARTOWERS.COM.AU
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DRAWING No. ART-19126-DRG-003
PROJECT: DIAPUR WIND FARM
100m (NOM.) - GL55 & GL36
DIA01 TEMPORARY GUYED LATTICE MAST
TITLE: GENERAL LAYOUT & ISOMETRIC VIEW

REV. 01
A3
SHEET 3 OF 9

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TABLE 1 - ANCILLARY LIST

MARK	TYPE	MODEL	HEIGHT	ESA (m²)
S1	ANEMOMETER	THIES TFCA2	101200	0.54
S2	ANEMOMETER	RSO P2546D	101200	0.54
D1	WIND VANE	THIES FIRST CLASS POT	97000	0.27
T1 & H1	TEMPERATURE 1 & HUMIDITY 1	T & H - KPC8.S / 6-ME GALLITEC MELA	94500	
P1	PRESSURE SENSOR	AMMONIT AB60	94500	
S3	ANEMOMETER	THIES TFCA2	79900	0.54
S4	ANEMOMETER	RSO P2546D	79900	0.54
D2	WIND VANE	THIES FIRST CLASS POT	77000	0.27
S5	ANEMOMETER	THIES TFCA2	39900	0.54
S6	ANEMOMETER	RSO P2546D	39900	0.54
D3	WIND VANE	THIES FIRST CLASS POT	37000	0.27
A1	ANTENNA	OMNIT COL195	10000	
SP1	SOLAR PANEL	SOLARWAT 50w	5000	
T1 & H2	TEMPERATURE 2 & HUMIDITY 2	T & H - KPC8.S / 6-ME GALLITEC MELA	2000	
LB1	LOGGER BOX	CR1000X	1650	

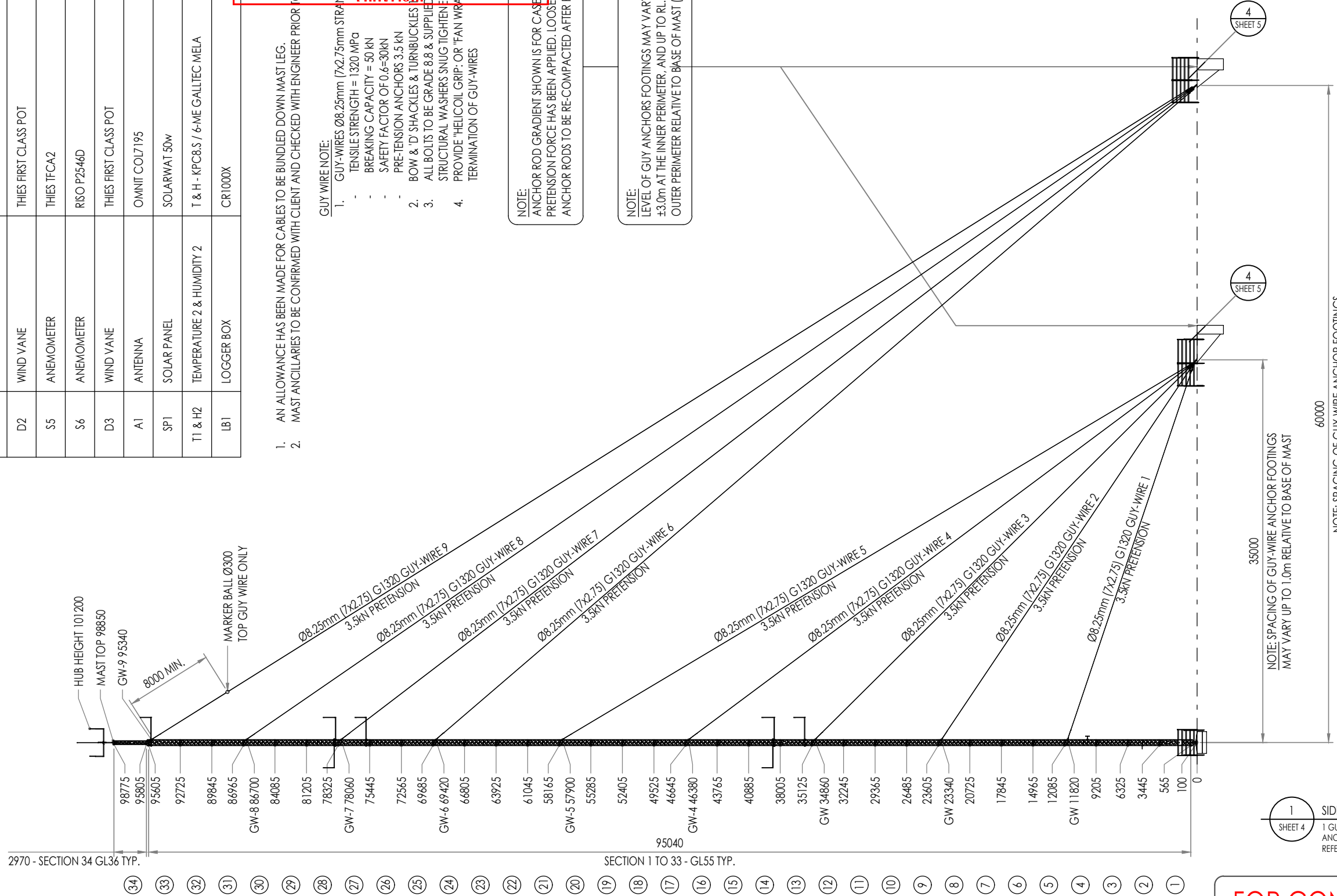
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1. AN ALLOWANCE HAS BEEN MADE FOR CABLES TO BE BUNDLED DOWN MAST LEG.
 2. MAST ANCILLARIES TO BE CONFIRMED WITH CLIENT AND CHECKED WITH ENGINEER PRIOR TO INSTALLATION.
- GUY WIRE NOTE:**
1. GUY WIRES Ø8.25mm (7x2.75mm STRANDS) G1320
 - TENSILE STRENGTH = 1320 MPa
 - BREAKING CAPACITY = 50 kN
 - SAFETY FACTOR OF 0.6=30kN
 - PRE-TENSION ANCHORS 3.5 kN
 2. BOW & 'D' SHACKLES & TURNBUCKLES 3.5kN
 3. ALL BOLTS TO BE GRADE 8.8 & SUPPLIED WITH TORQUE STRUCTURAL WASHERS SNUG TIGHTENED TO R.L.O. PROVIDE 'HELICOIL GRIP' OR 'FAN WRAP' TERMINATION OF GUY-WIRES
 4. TERMINATION OF GUY-WIRES

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 PRETENSION

ADVERTISED PLAN

NOTE:
LEVEL OF GUY ANCHORS FOOTINGS MAY VARY UP TO R.L. ±3.0m AT THE INNER PERIMETER, AND UP TO R.L. ±6.0m AT OUTER PERIMETER RELATIVE TO BASE OF MAST (R.L.O.0m)



Dr. Haydar Yasir Faleh
PhD, MIF Aust CP Eng
Chartered Professional Engineer
Membership No. 3256378
ENGINEERS AUSTRALIA

1 SIDE ELEVATION VIEW
SHEET 4
1 GUY WIRE SET ROTATED 90° ANCILLARY FOR INDICATIVE PURPOSE REFER TO SHEET 6 FOR ANCILLARY DETAILS

FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DSN	DRW	CHK	APV
01	26/03/20	REMOVED ANTI-CLIMB AND REVISED TURNBUCKLE SIZE TO 16mm				
00	23/03/20	ISSUED FOR CONSTRUCTION				
A	17/03/20	ISSUED FOR APPROVAL				

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ART GROUP
119-125 QUARRY ROAD, MURWILLUMBAH, NSW 2484
PH. 02 6672 6200 E-MAIL: ADMIN@ARTOWERS.COM.AU
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DRAWING No. ART-19126-DRG-004	REV. 01
PROJECT: DIAPUR WIND FARM 100m (NOM.) - GL55 & GL36 DIA01 TEMPORARY GUYED LATTICE MAST	A3
TITLE: GENERAL ELEVATION & ANCILLARY	SHEET 4 OF 9

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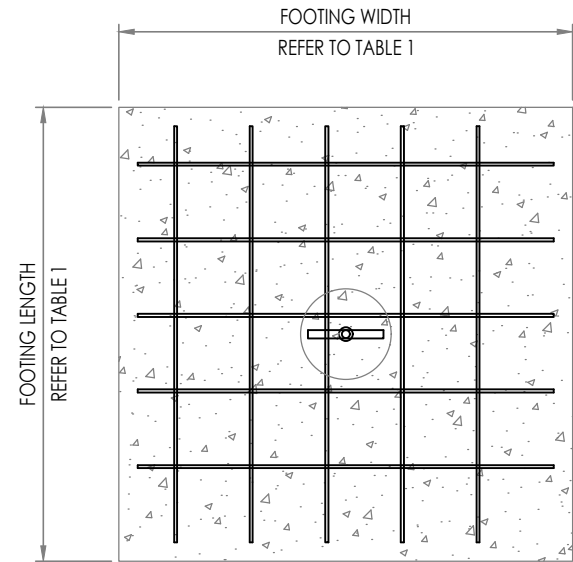
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TABLE 1 - MAST FOUNDATION SCHEDULE

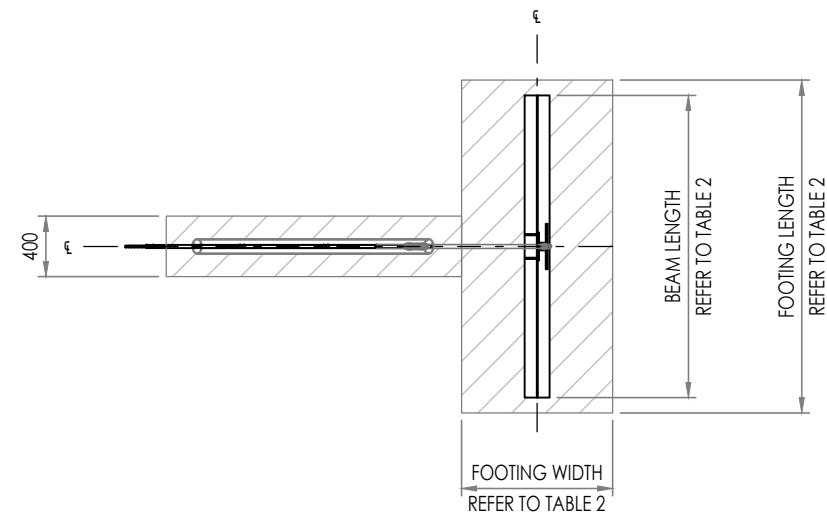
FOOTING WIDTH	FOOTING LENGTH	FOOTING DEPTH	CONCRETE VOL. m³	QTY.
1600	1600	600	1.54m³	1

TABLE 2 - GUY WIRE FOUNDATION SCHEDULE

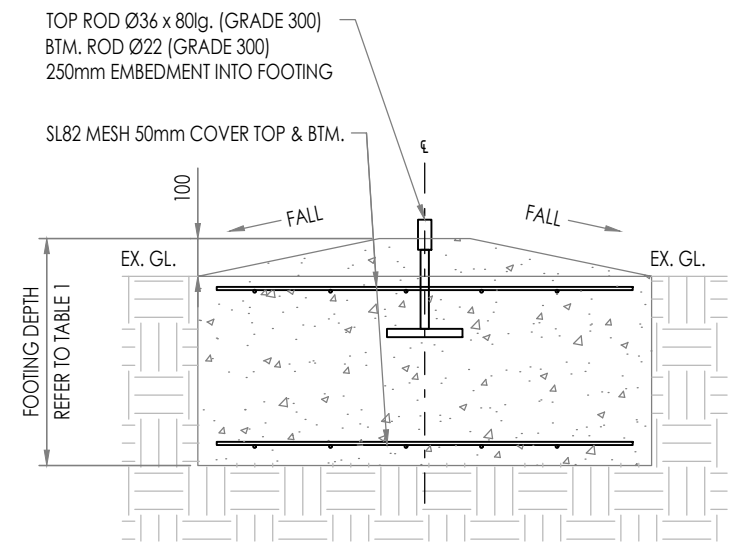
FOUNDATION TYPE	ANCHOR TYPE	RADIUS	FOOTING WIDTH	FOOTING LENGTH	FOOTING DEPTH	BEAM LENGTH	N24 ROD LENGTH	ANGLE (DEG.°)	DIM A	DIM B
FIRST FOUNDATION	7 HOLE	35000	800	2400	2400	2000	3000	43°	2360	400
SECOND FOUNDATION	7 HOLE	60000	1000	2600	2400	2000	2000	54°	1700	500



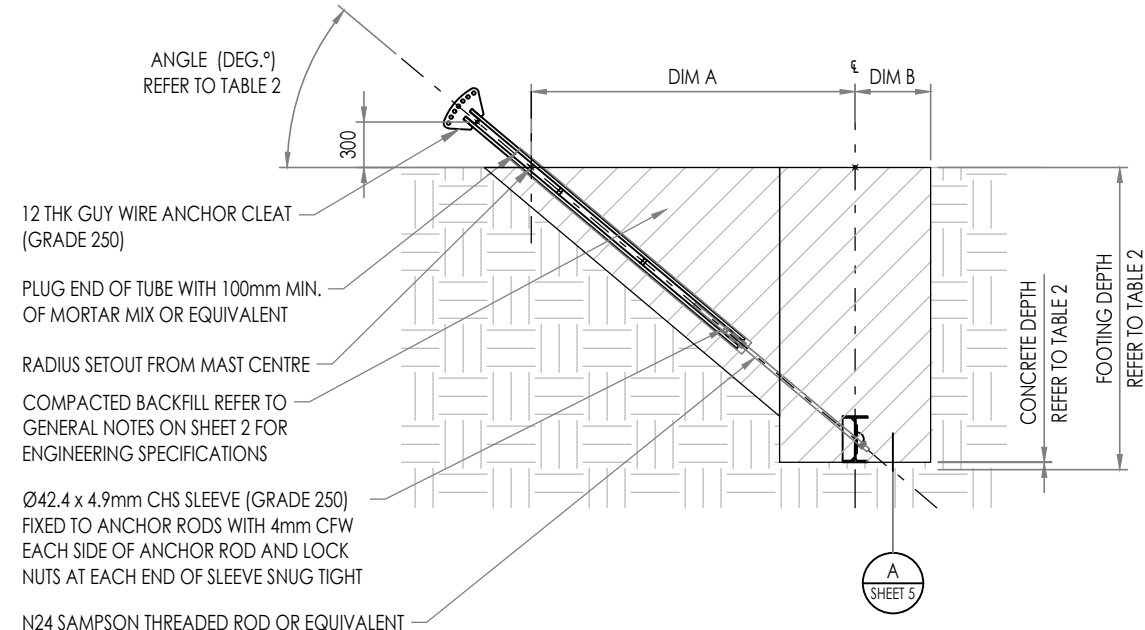
1 PLAN VIEW
SHEET 5
MAST BASE FOUNDATION
DETAIL (SIMILAR)
SCALE: 1:20



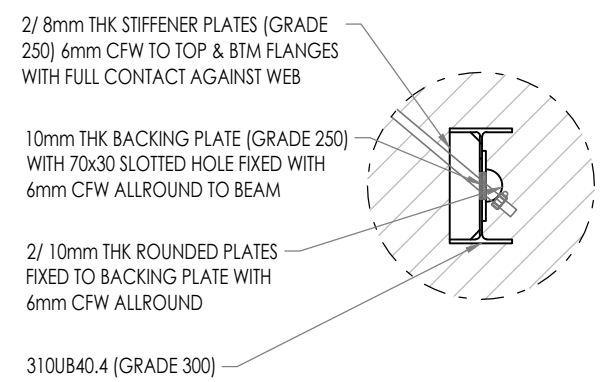
3 PLAN VIEW
SHEET 5
TEMPORARY FOUNDATION
DETAIL (SIMILAR)
SCALE: N.T.S.



2 SECTION VIEW
SHEET 5
MAST BASE FOUNDATION
DETAIL (SIMILAR)
SCALE: N.T.S.



4 SECTION VIEW
SHEET 5
TEMPORARY FOUNDATION
DETAIL (SIMILAR)
SCALE: N.T.S.



A DETAIL VIEW
SHEET 5
GUY WIRE FOUNDATION
SCALE: 1:20

Dr. Haydar Yasir Faleh
PhD, MIEAust CPEng
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FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DSN	DRW	CHK	APV
01	24/03/20	REVISED FOUNDATION ANGLE AND DIM B AS PER ENGINEERING	HY	LW	HY	HY
00	23/03/20	ISSUED FOR CONSTRUCTION	HY	LW	HY	HY
B	18/03/20	MAST BASE FOUNDATION DETAILS AND INFORMATION REVISED AS PER ENGINEERING	HY	LW	HY	HY
A	17/03/20	ISSUED FOR APPROVAL	HY	LW	HY	HY
REV	DATE	DESCRIPTION	DSN	DRW	CHK	APV

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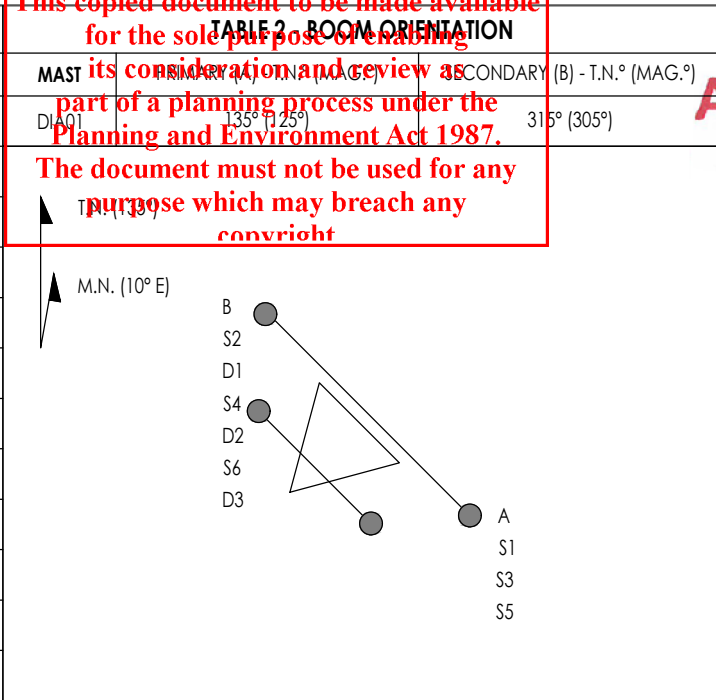
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DRAWING No. ART-19126-DRG-005	REV. 01
PROJECT: DIAPUR WIND FARM 100m (NOM.) - GL55 & GL36 DIA01 TEMPORARY GUYED LATTICE MAST	A3
TITLE: FOUNDATION ASSEMBLY	SHEET 5 OF 9

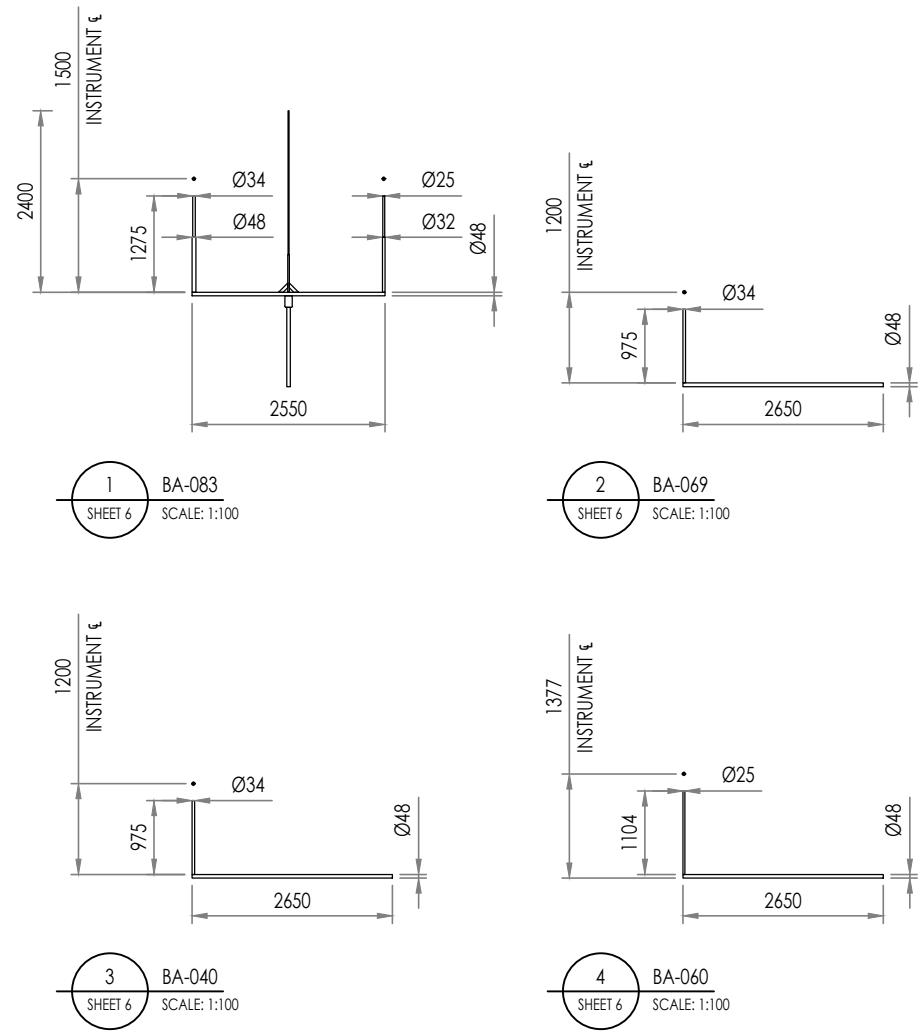
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TABLE 1 - BOOM ARM & ANCILLARY LIST				
MARK	PART No.	REV.	DESCRIPTION	QTY.
1	BA-083	C	TOP GOAL-POST - FC - ANO - C/W LIGHTNING ROD	1
2	BA-069	A	GL55 - VANE - THIES FIRST CLASS POT	3
3	BA-040	B	GL55 - ANO - THIES FCA2	2
4	BA-060	B	GL55 - ANO - RISO P2546D	2
5	BA-006	01	SINGLE BOOM ARM BRACKET	6
6	BA-002	01	DOUBLE BOOM ARM BRACKET	4
7	N/A	N/A	PRESSURE SENSOR AMMONIT AB60	1
8	N/A	N/A	T & H - KPC8.S / 6-ME GALLTEC MELA	2
9	AMT-001	01	ANTENNA MOUNT T-BAR	1
10	AMT-02	01	SOLAR PANEL MOUNT T-BAR	1
11	N/A	N/A	JUNCTION BOX	4
12	N/A	N/A	LOGGER BOX - CR1000X	1



ADVERTISED PLAN



S1 - THIES FIRST CLASS ADVANCED
4.3352.10.000
INSTRUMENT TAIL 10m TO JB1

JB1
SECTION 34

T1 & H 1 - KPC8.S/6-ME GALLTEC MELA
P1 - PRESSURE SENSOR AMMONIT AB60

S3 - THIES FIRST CLASS ADVANCED
4.3352.10.000
INSTRUMENT TAIL 7m TO JB3

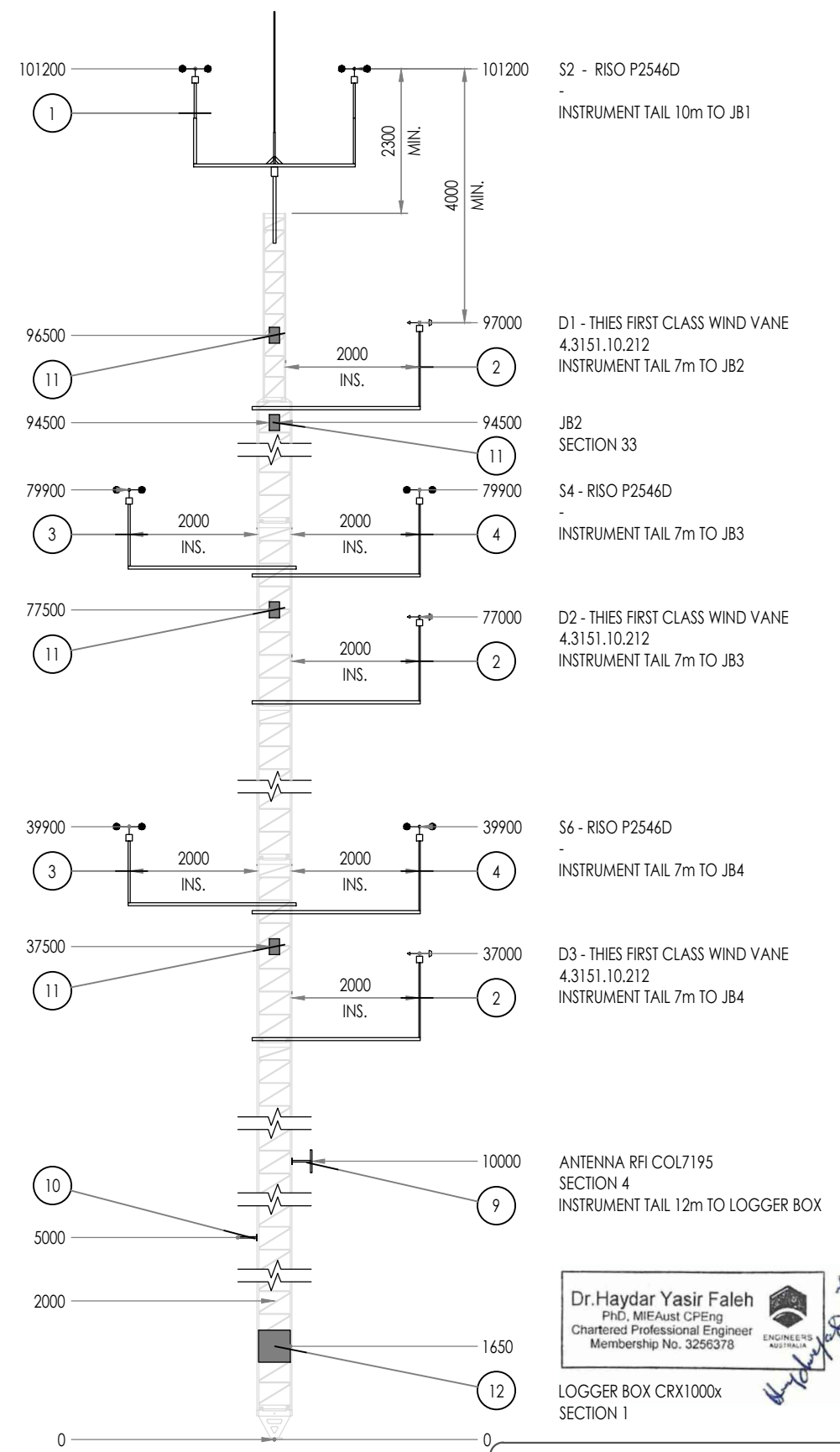
JB3
SECTION 27

S5 - THIES FIRST CLASS ADVANCED
4.3352.10.000
INSTRUMENT TAIL 7m TO JB4

JB4
SECTION 13

SOLAR MODULE SW - M50W - 12V
SECTION 2
TRUE NORTH 258°
INSTRUMENT TAIL 7m TO LOGGER BOX

T2 & H 2 - KPC8.S/6-ME GALLTEC MELA
INSTRUMENT TAIL 3m TO LOGGER BOX



A FRONT ELEVATION
SHEET 6
BOOM ARM & ANCILLARY LAYOUT
MAST SHOWN FOR INDICATIVE PURPOSE
REFER TO SHEET 4 FOR MAST DETAILS
SCALE: N.T.S.

FOR CONSTRUCTION

Dr. Haydar Yasir Faleh
PHD, MIEAust, CPEng
Chartered Professional Engineer
Membership No. 3256378
ENGINEERS AUSTRALIA

REV	DATE	DESCRIPTION	DSN	DRW	CHK	APV
01	26/03/20	REMOVED ANTI-CLIMB AS PER SOW	HY	LW	HY	HY
00	23/03/20	ISSUED FOR CONSTRUCTION	HY	LW	HY	HY
A	17/03/20	ISSUED FOR APPROVAL	HY	LW	PB	HY

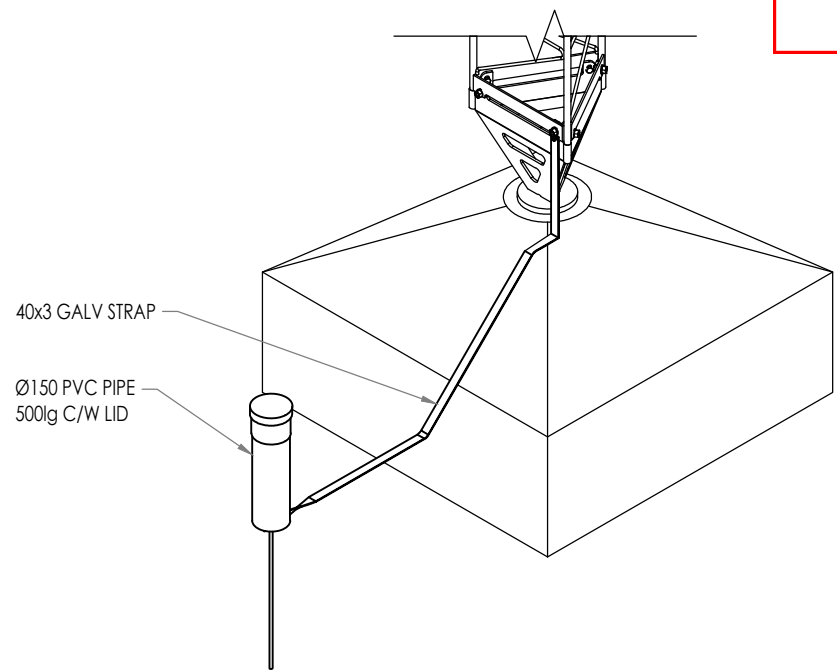
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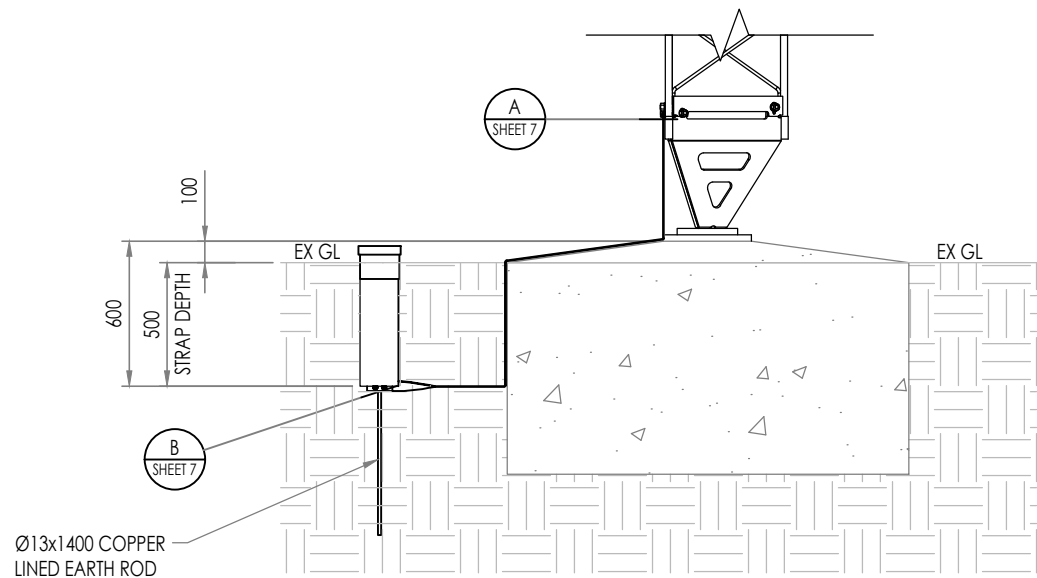
DRAWING No. ART-19126-DRG-006	REV. 01
PROJECT: DIAPUR WIND FARM 100m (NOM.) - GL55 & GL36 DIA01 TEMPORARY GUYED LATTICE MAST	A3
TITLE: BOOM ARM & ANCILLARY ASSEMBLY	SHEET 6 OF 9

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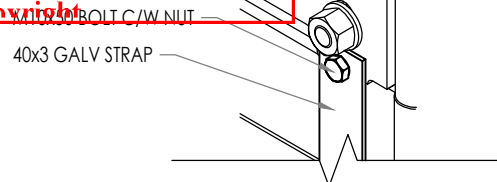
ADVERTISED PLAN



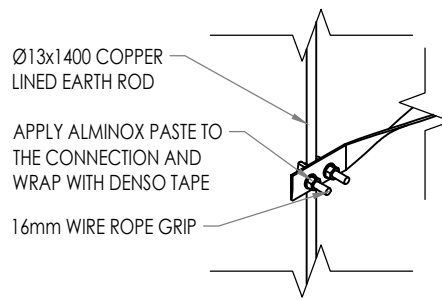
1 ISOMETRIC VIEW
SHEET 7
MAST BASE EARTHING
DETAIL SIMILAR
SCALE: N.T.S.



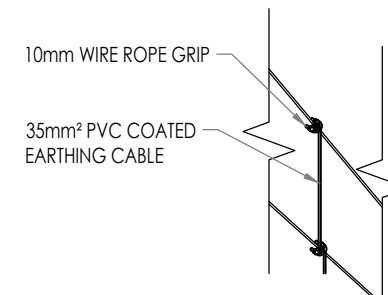
2 FRONT VIEW
SHEET 7
MAST BASE EARTHING
DETAIL SIMILAR
SCALE: N.T.S.



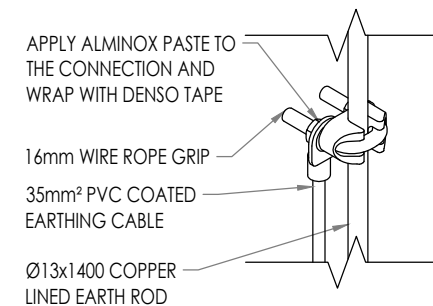
A DETAIL VIEW
SHEET 7
EARTHING CONNECTION
SCALE: N.T.S.



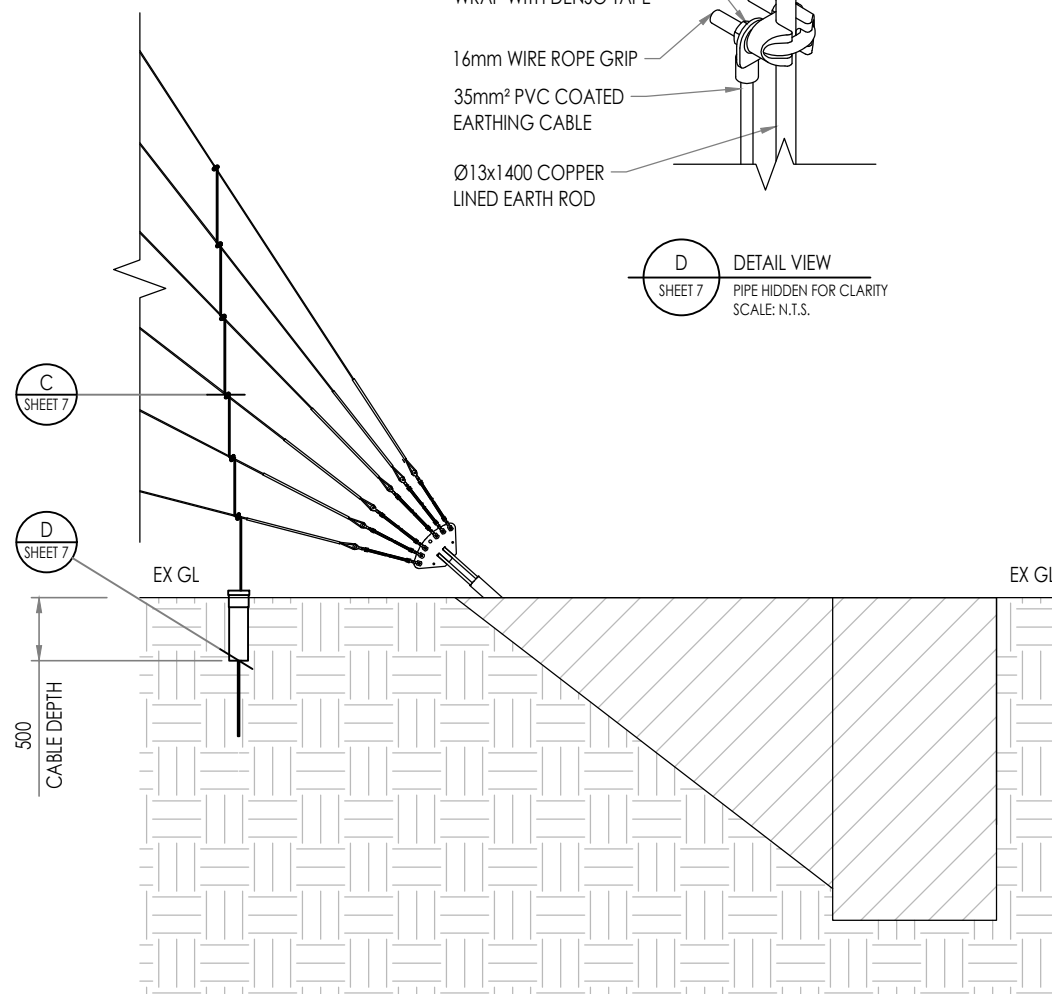
B DETAIL VIEW
SHEET 7
PIPE HIDDEN FOR CLARITY
SCALE: N.T.S.



C DETAIL VIEW
SHEET 7
SCALE: N.T.S.



D DETAIL VIEW
SHEET 7
PIPE HIDDEN FOR CLARITY
SCALE: N.T.S.



3 FRONT VIEW
SHEET 7
GUY ANCHOR EARTHING
DETAIL SIMILAR
SCALE: N.T.S.

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REVISION						

CLIENT: BAYWA R.E. PROJECTS AUSTRALIA



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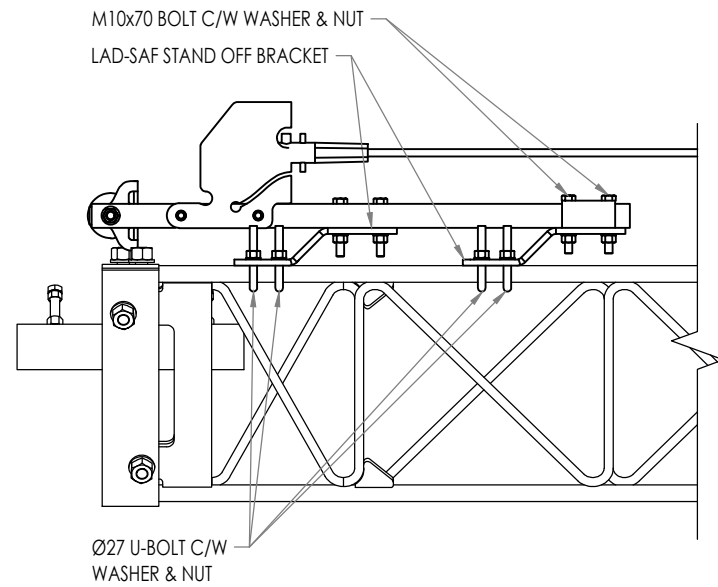
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DRAWING No. ART-19126-DRG-007
PROJECT: DIAPUR WIND FARM
100m (NOM.) - GL55 & GL36
DIA01 TEMPORARY GUYED LATTICE MAST
TITLE: EARTHING ASSEMBLY

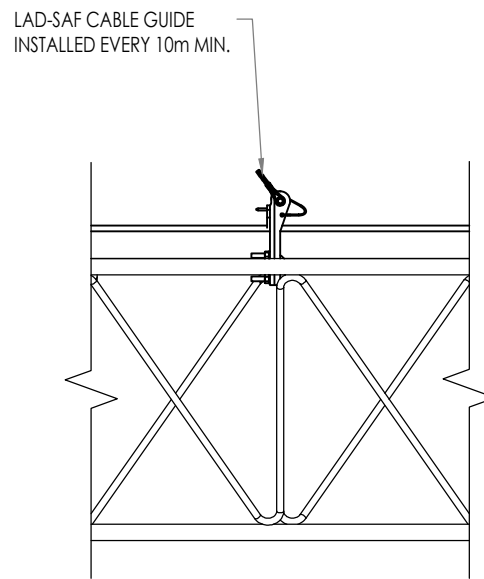
REV. 00
A3
SHEET 7 OF 9

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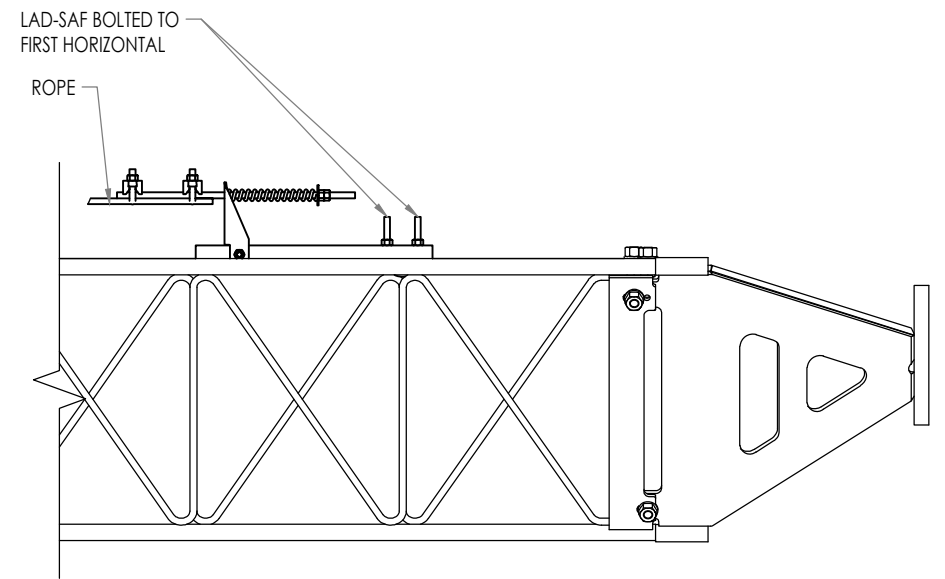
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C LAD-SAF CONNECTION TOP
SHEET 8
DETAIL SIMILAR
SCALE: N.T.S.



B LAD-SAF CABLE GUIDE
SHEET 8
DETAIL SIMILAR
SCALE: N.T.S.



A LAD-SAF CONNECTION BTM.
SHEET 8
DETAIL SIMILAR
SCALE: N.T.S.



1 SIDE ELEVATION VIEW
SHEET 8
MAST ELEVATION ROTATED 90°
DETAIL SIMILAR
SCALE: N.T.S.

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00	23/03/20	ISSUED FOR CONSTRUCTION				
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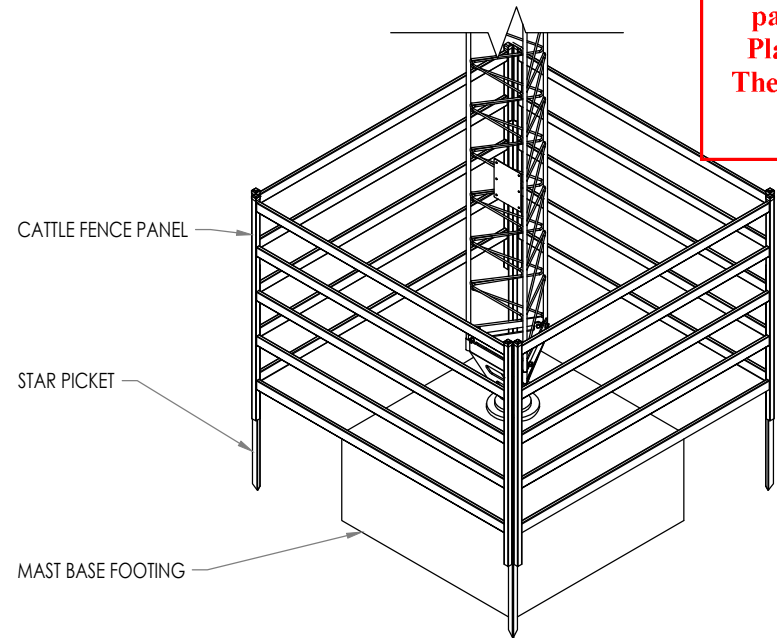
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DRAWING No. ART-19126-DRG-008	REV. 00
PROJECT: DIAPUR WIND FARM 100m (NOM.) - GL55 & GL36 DIA01 TEMPORARY GUYED LATTICE MAST	A3
TITLE: FALL ARREST ASSEMBLY	SHEET 8 OF 9

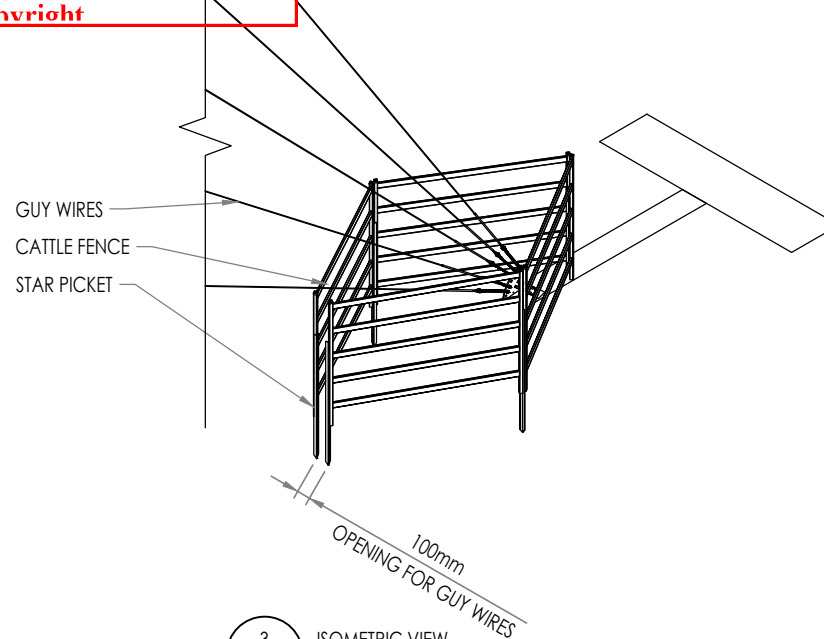
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NOTE: ALL STAR PICKETS POSITIONED BEHIND FENCE PANELS
NO SHARP EDGES ON THE OUTSIDE OF FENCE PANELS

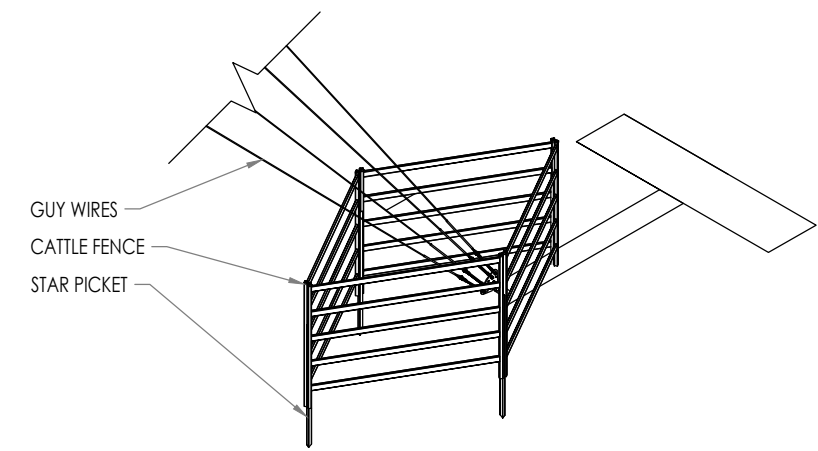
ADVERTISED PLAN



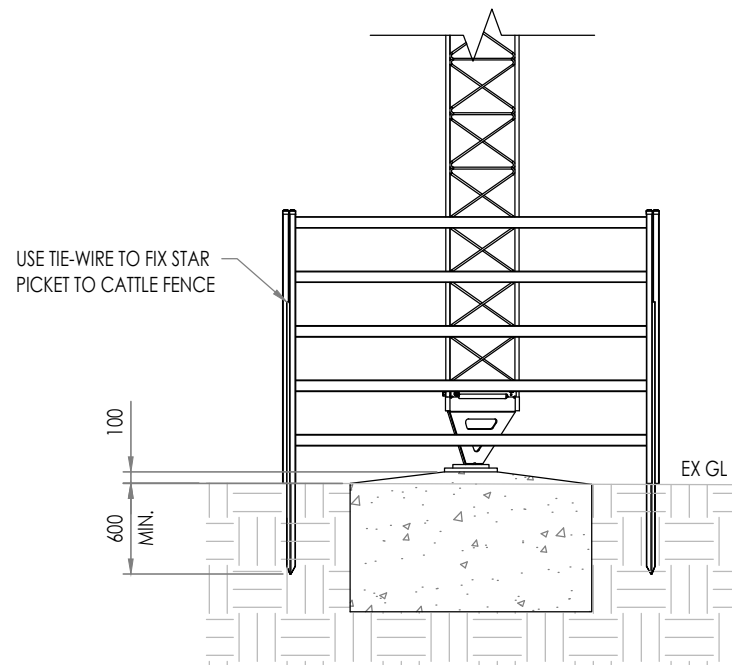
1 ISOMETRIC VIEW
SHEET 9
MAST BASE FENCING
DETAIL SIMILAR
SCALE: N.T.S.



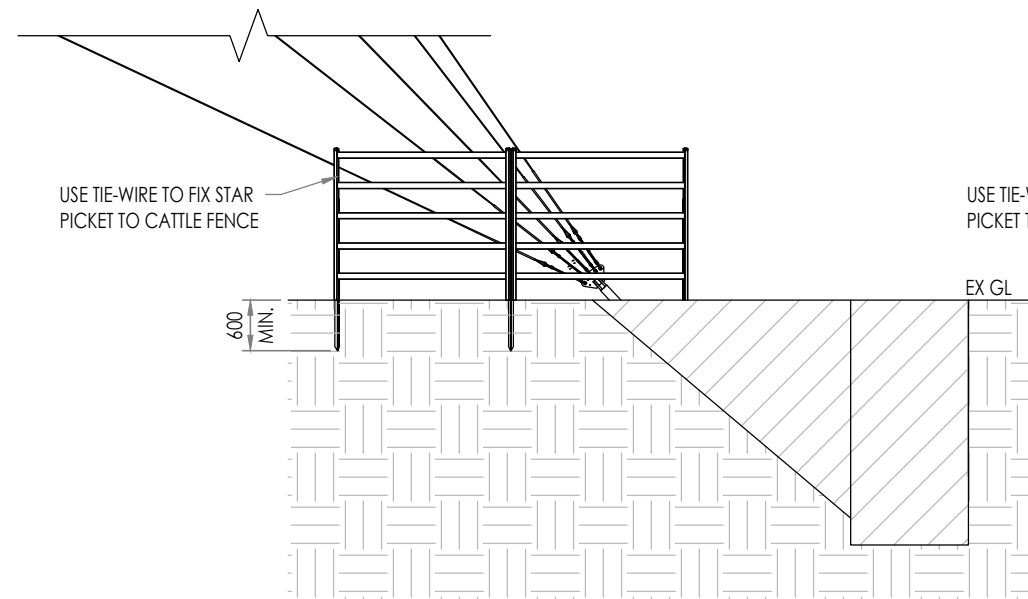
3 ISOMETRIC VIEW
SHEET 9
INNER GUY ANCHOR FENCING
DETAIL SIMILAR
SCALE: N.T.S.



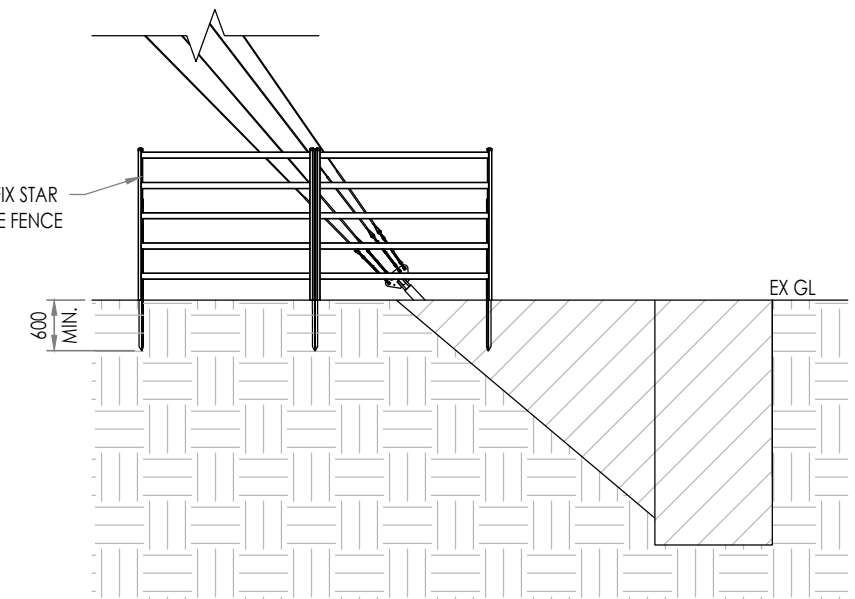
5 ISOMETRIC VIEW
SHEET 9
OUTER GUY ANCHOR FENCING
DETAIL SIMILAR
SCALE: N.T.S.



2 FRONT VIEW
SHEET 9
MAST BASE FENCING (SIM.)
DETAIL SIMILAR
SCALE: N.T.S.



4 FRONT VIEW
SHEET 9
INNER GUY ANCHOR FENCING
DETAIL SIMILAR
SCALE: N.T.S.



6 FRONT VIEW
SHEET 9
OUTER GUY ANCHOR FENCING
DETAIL SIMILAR
SCALE: N.T.S.

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DRAWING No.	ART-19126-DRG-009	REV.	00
PROJECT:	DIAPUR WIND FARM 100m (NOM.) - GL55 & GL36 DIA01 TEMPORARY GUYED LATTICE MAST		A3
TITLE:	FENCE ASSEMBLY		SHEET 9 OF 9

Diapur Wind Farm




Met Mast Location













Safety Visibility Marking Detail
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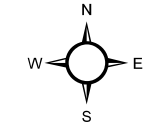
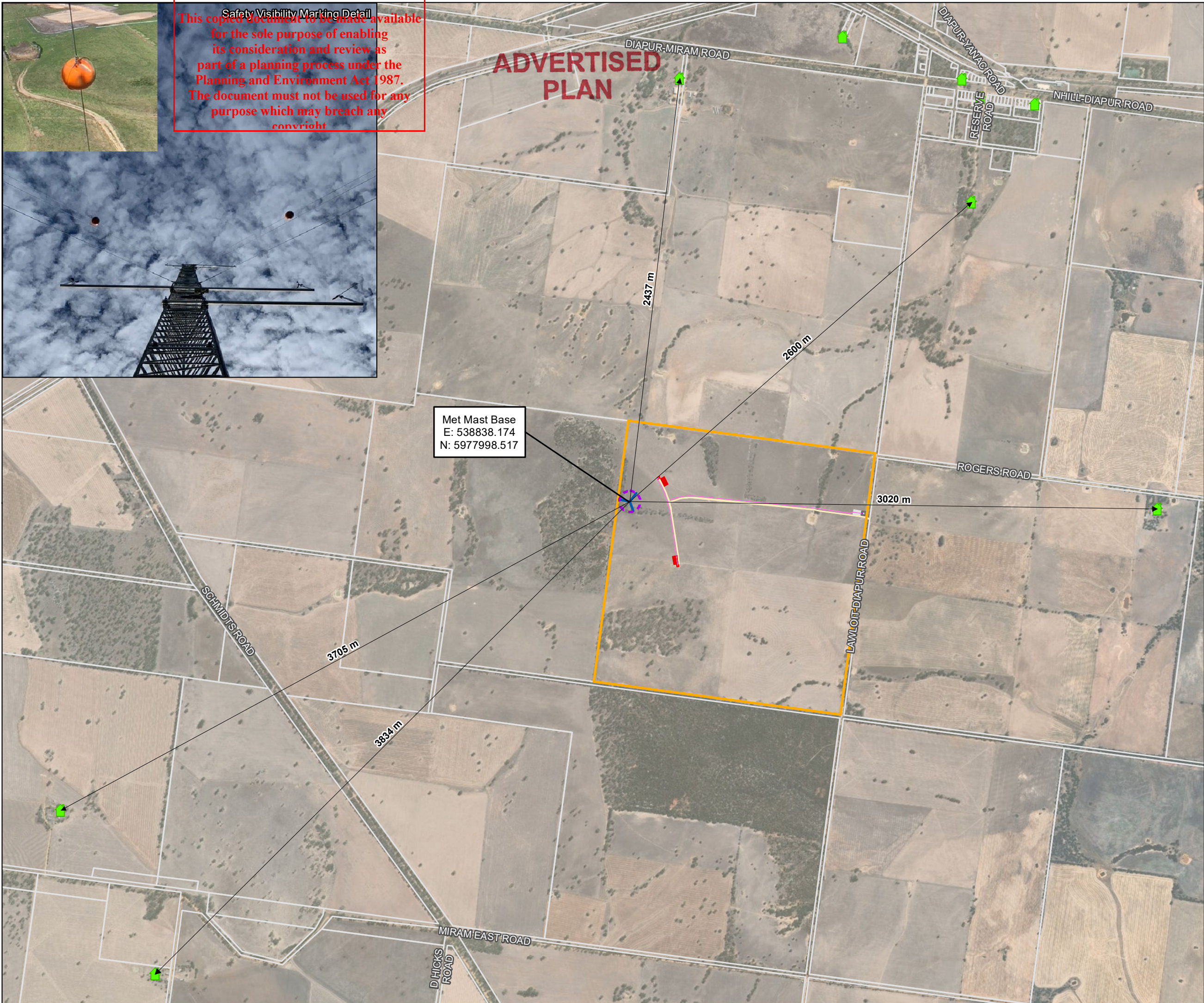


Legend

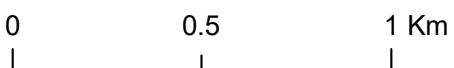
-  Dwelling
-  Site Envelope
-  Parcel

Development Footprint:

-  Access Track
-  Cable Trench
-  Control Building
-  Control Building Fenced Area
-  Turbine Foundation
-  Hard Stand
-  Staging Area
-  Inner Guys 40m from the base
-  Outer Guys 60m from the base
-  Outer Anchor Guys Perimeter



Scale at A3:
1:20,000



Date: 03/31/2020