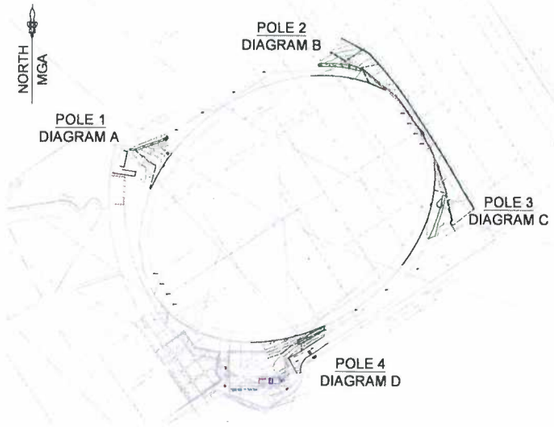
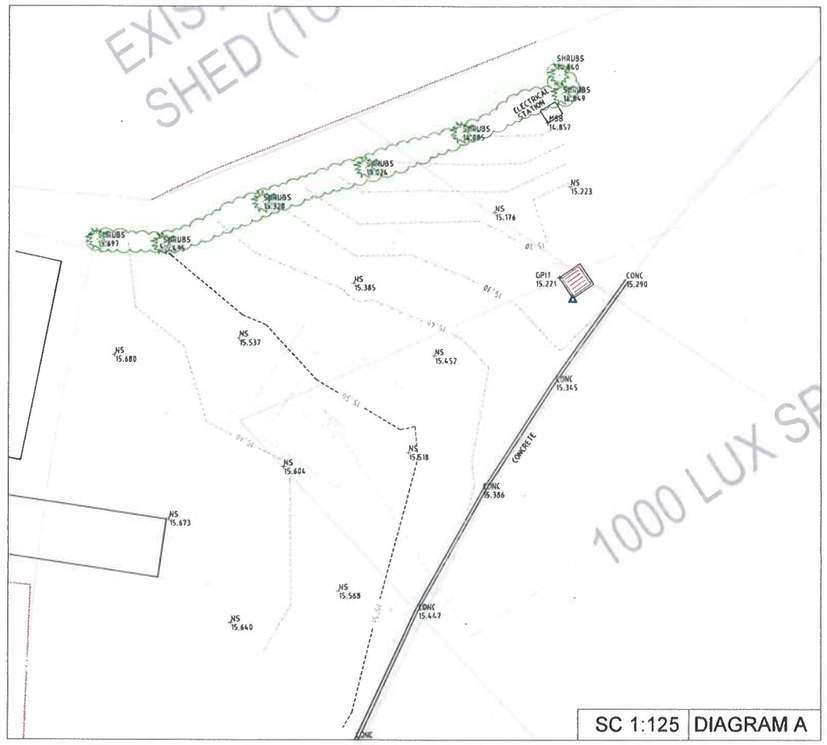


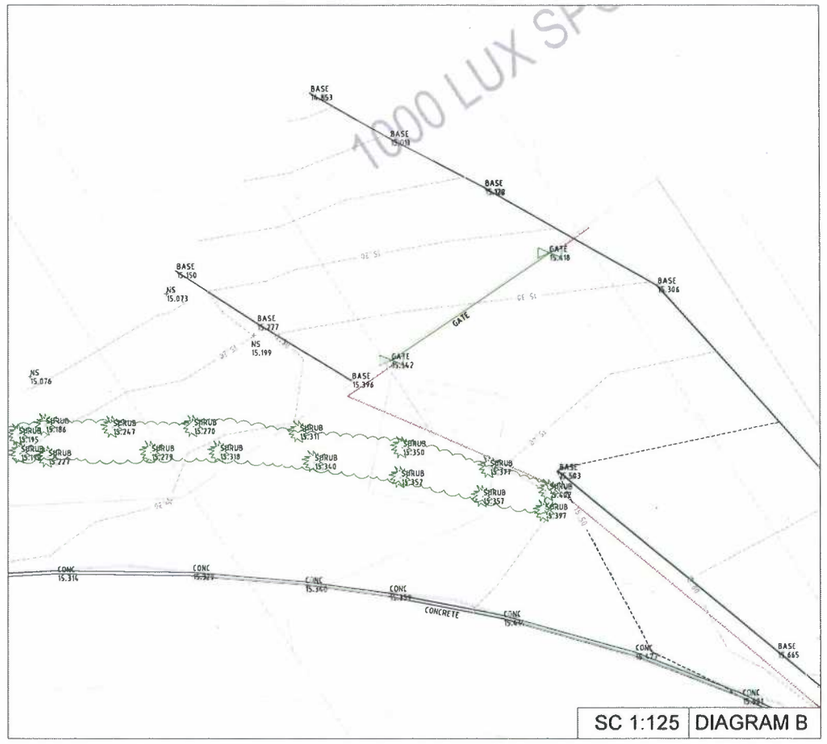
KEY PLAN
NOT TO SCALE

LEGEND:

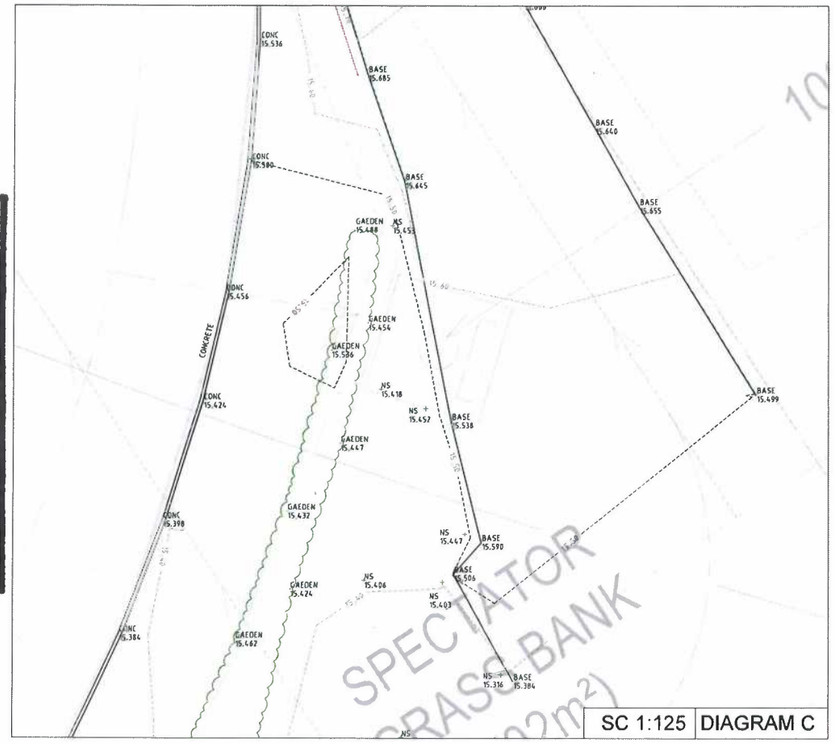
BIT	BITUMEN
CONC	CONCRETE
EBIT	EDGE OF BITUMEN
PIT	UNKNOWN PIT
TPIT	ELECTRICAL PIT
GPIT	GRATED PIT
NS	NATURAL SURFACE



SC 1:125 | DIAGRAM A



SC 1:125 | DIAGRAM B



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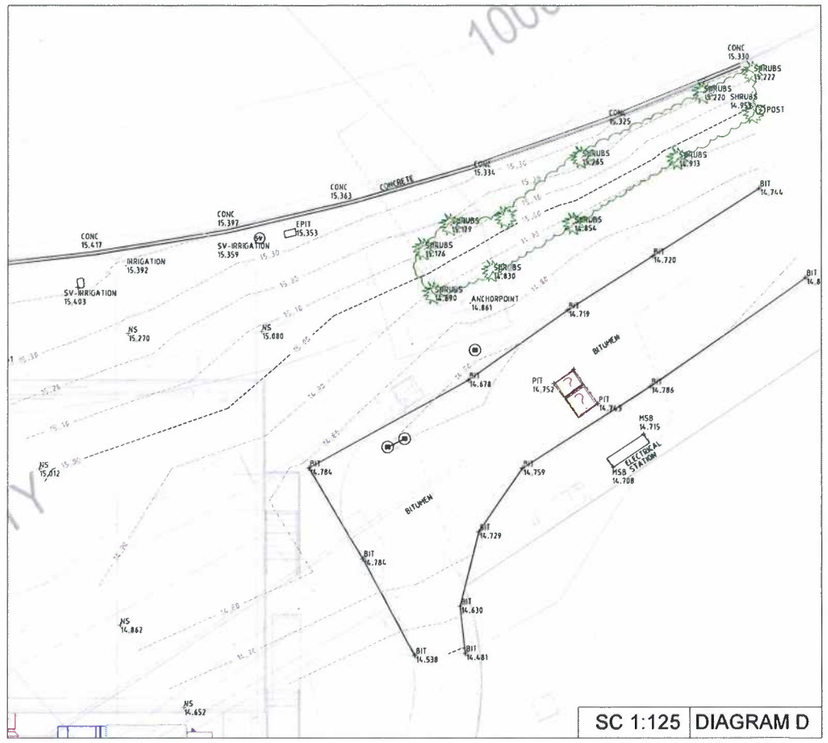

SC 1:125 | DIAGRAM D

NSW | SydneyOlympicPark

Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127

Issued under the Environmental, Planning and Assessment Act 1979

Approved Development Application No.: DA 05-09-2024

Granted on the 26/03/2025 subject to any conditions contained in the notice of determination.

Signed: Date: 31/03/2025

REV	DATE	DESCRIPTION	DRAWN	CHECKED	RELEASED
A	11/08/2024	ORIGINAL ISSUE	MR		

SEAM SPATIAL

CLIENT: FDC CONSTRUCTION
TITLE: GWS GIANTS
DETAIL SURVEY
1 OLYMPIC BOULEVARD SYDNEY OLYMPIC PARK
LOT22 IN DPDP1283057

SEAM JOB No. 1540 | SEAM Drg. No. 1540_DET_0782_A
Date of Survey 06/08/2024 | SCALE: 1:---- | A1 | REV: A

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Sydney Olympic Park Authority
is satisfied because Sydney Olympic Park SSWA has
issued notice that Environmental Planning and Assessment Act 1979
approved development application No. ... applies to our conditions
contained in the notice of determination.
Signed: ..... Date: .....

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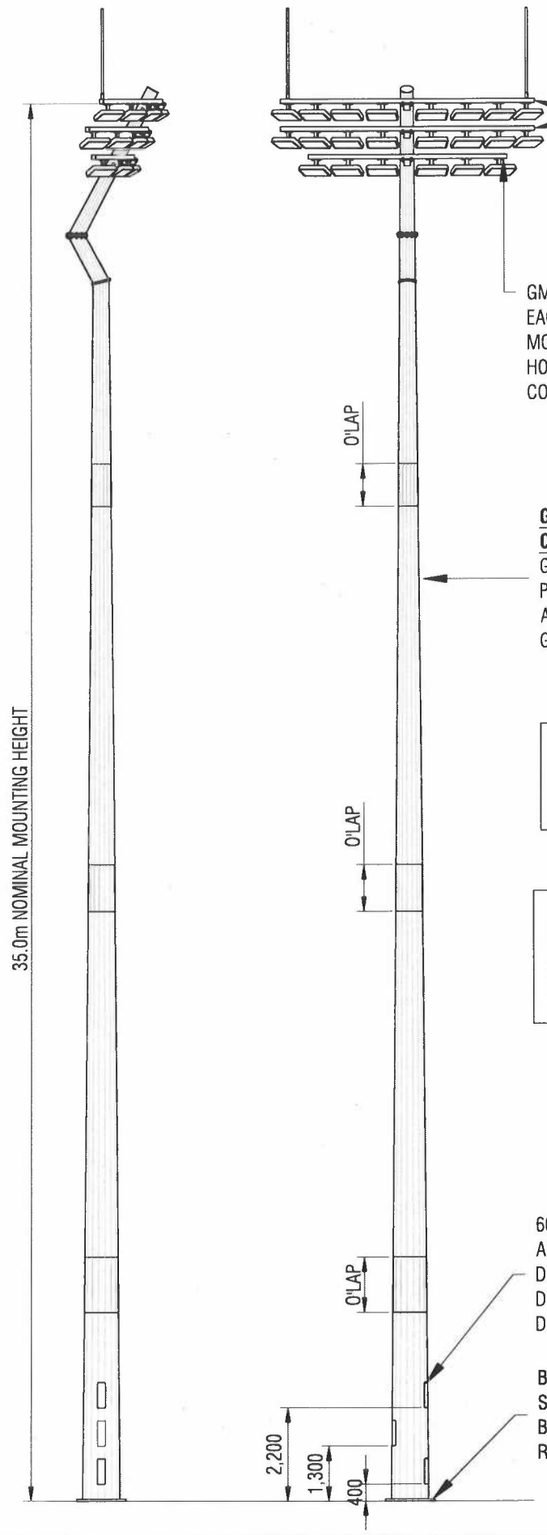


GM POLES MANUFACTURED UPPER AND MIDDLE CURVED CROSSARM TO SUIT 8x VAILO ZENITH GEN V 1500w LIGHT FITTINGS MOUNTED UNDERSLUNG AT UP TO 40° LENS TILT TO HORIZONTAL. NO ALLOWANCE FOR EXTERNAL GLARE CONTROL DEVICES. REFER DETAIL "B".

GM POLES MANUFACTURED LOWER CURVED CROSSARMS, EACH TO SUIT 6x VAILO ZENITH GEN V 1500w LIGHT FITTINGS MOUNTED UNDERSLUNG AT UP TO 40° LENS TILT TO HORIZONTAL. NO ALLOWANCE FOR EXTERNAL GLARE CONTROL DEVICES.

GMP ID: TP-Z35M-367-3D
QTY: 4
GM POLES MANUFACTURED TAPERED POLYGONAL POLE. POLE AND ACCESSORIES TO BE HOT DIP GALVANISED AFTER FABRICATION.

DESIGNED TO THE FOLLOWING:
-IMPORTANCE LEVEL 3
-TERRAIN CATEGORY 2.3
-WIND REGION A2

ULS BASE REACTIONS FOR FOOTING DESIGN BY OTHERS:
M* = 1070 kNm
V* = 49.5 kN
N* = 68 kN

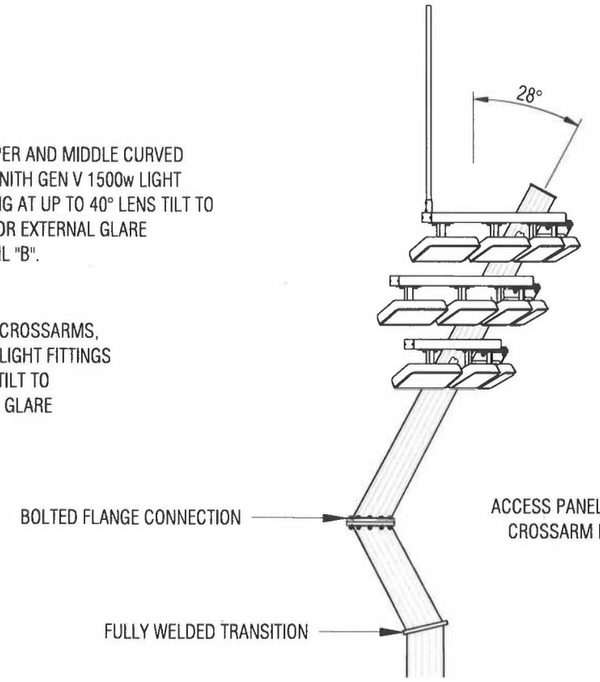
600x190 CLEAR FLUSH FITTING ACCESS DOORS (QTY x 3), DOOR C/W INTERNAL GEAR TRAY. DRIVER ARRANGEMENT TO BE DETERMINED BY OTHERS.

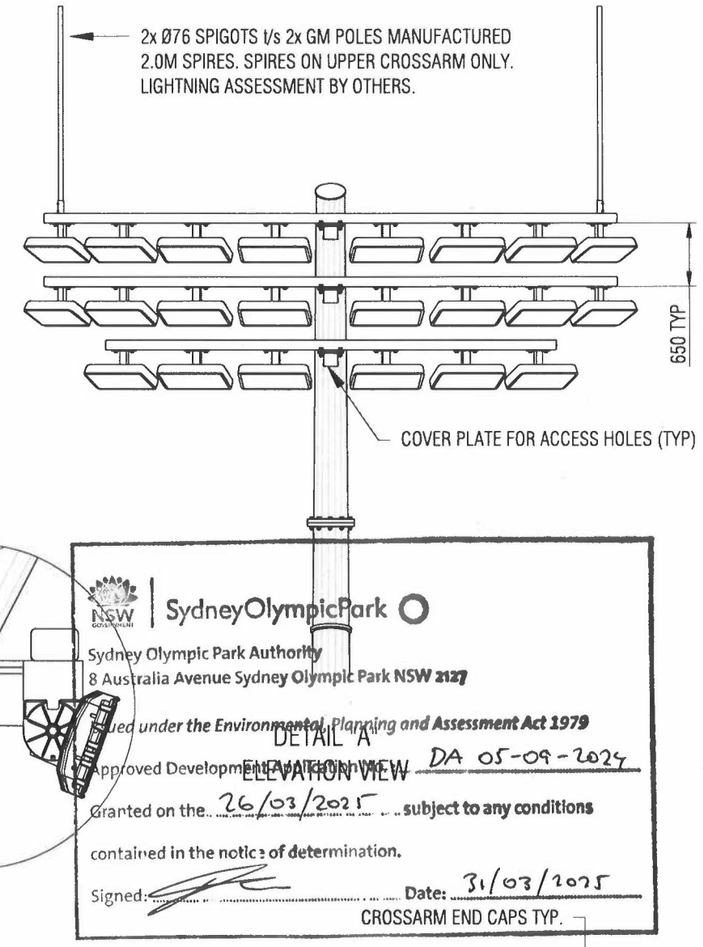
BASEPLATE TO SUIT GM POLES HIGH STRENGTH 20x M30 FOUNDATION BOLTS ON A 1050mm P.C.D. REFER TO BASEPLATE DETAIL "C".

Please sign & date as approved or mark any amendments & return email to sales@gmpoles.com.au

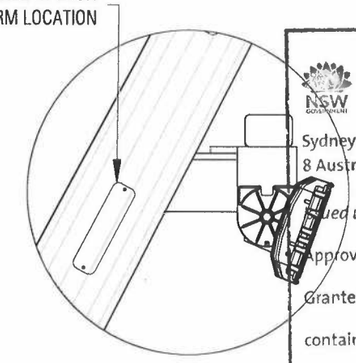
Signed **Date**

☐ **Approved** ☐ **Please Amend**



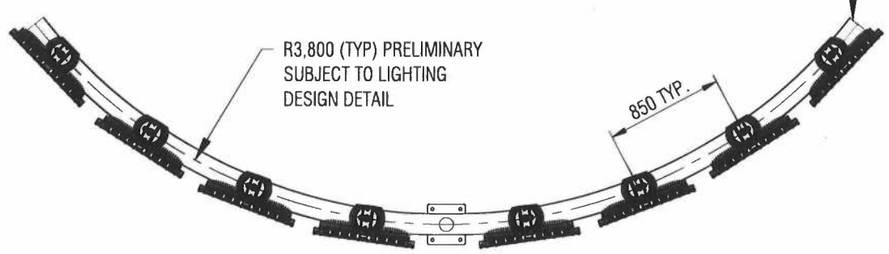


ELEVATION VIEW

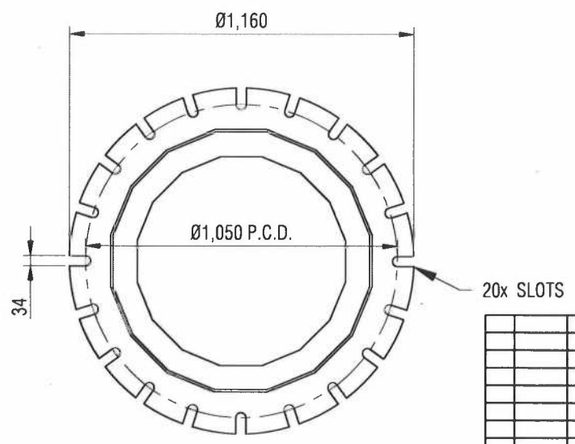


DETAIL "A"

SydneyOlympicPark
Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127
Approved under the Environmental Planning and Assessment Act 1979
Approved Development Application No. DA 05-09-2024
Granted on the 26/03/2025 subject to any conditions contained in the notice of determination.
Signed: Date: 31/03/2025



DETAIL "B"
PLAN VIEW



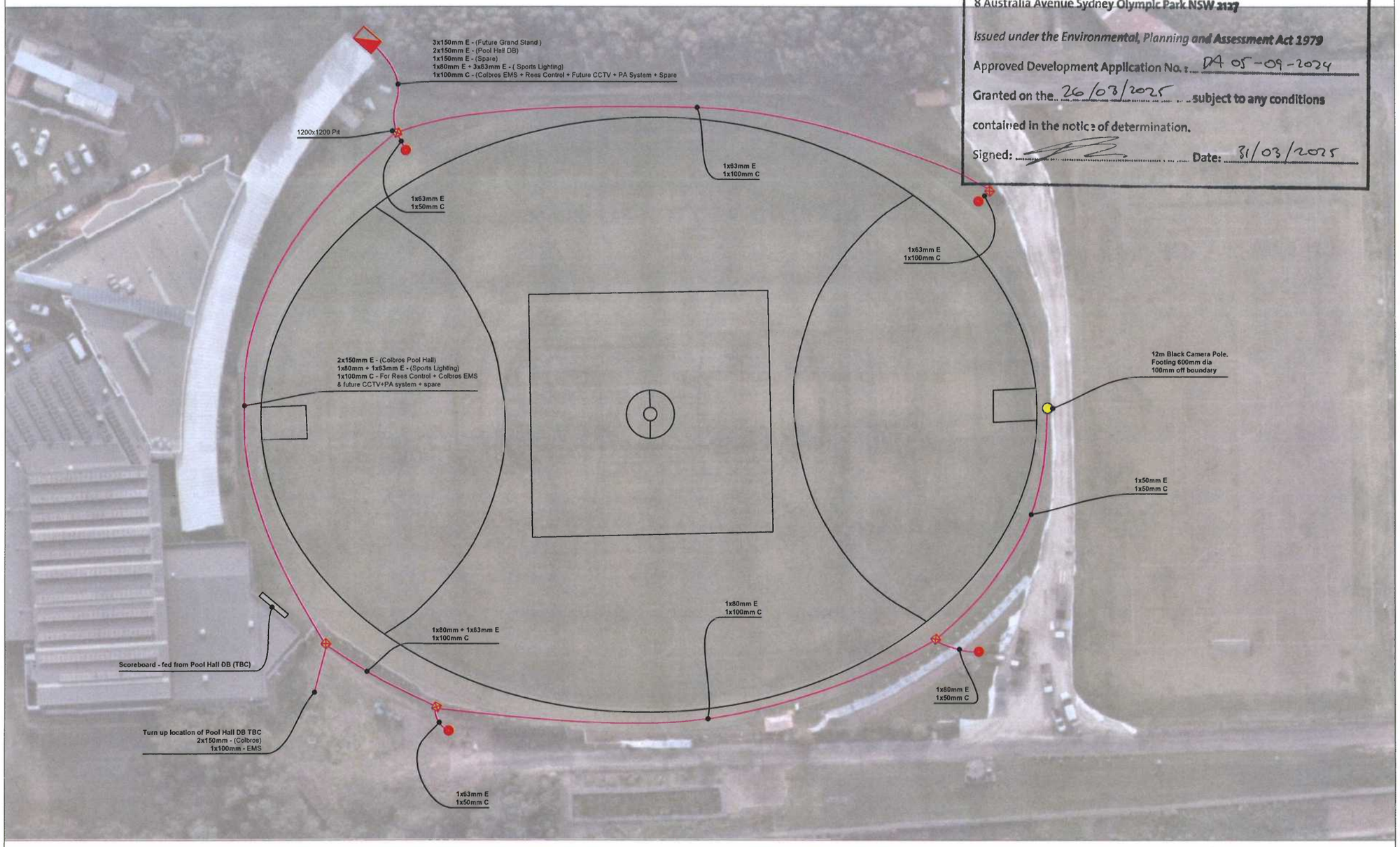
BASEPLATE DETAIL "C"

Rev	Date	Drn	Description	Chk
	20/08/2024			D.C.
0	15/08/2024	B.D.	INITIAL ISSUE	D.C.

GM POLES
490 Freeman Rd.
RICHLANDS,
QLD 4077
Ph: (07) 3718 4900

TOM WILLIS OVAL
GENERAL ARRANGEMENT

Drn	Date	Scale	Drawing No	Page
B. Donaldson	15/08/2024	N.T.S.	CD0009376B	1 of 1



NSW GOVERNMENT | SydneyOlympicPark

Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127

Issued under the Environmental, Planning and Assessment Act 1979

Approved Development Application No.: DA 05-09-2024

Granted on the 26/03/2025 subject to any conditions contained in the notice of determination.

Signed: Date: 31/03/2025

Symbols:

- Main Distribution Board
- 900x900 Electrical Pit Unless noted otherwise
- 35m Sports Light Pole
- Electrical Conduit

REES SPORTS LIGHTING

Revisions

By:	Date:	Revisions Descriptions:	Rev:
T.A	14/8/24	Preliminary 500 Lux Design	A

Client: FDC

Project: Tom Willis Oval

Sheet Title: REES Electrical 500 Lux Design

Electrical Services

Designed By:	Drawn By:
T.A	T.A
Checked By:	**Revision:**
S.S	REV-1

Drawing No. E01 | Scale: N.T.S

TOM WILLS OVAL

CONSTRUCTION NOTES

GENERAL

G1. Read these drawings in conjunction with all architectural and other working drawings, specifications and with such other written instructions as may be issued during the course of the contract.
G2. Provide all workmanship and materials in accordance with the requirements of the current editions of the BCA, the Australian Standards and the By-Laws and Ordinances of the relevant Building Authority.
G3. The Builder must comply with requirements of the Occupational Health & Safety Act.
G4. Refer any conflict between these notes, the specification, the drawings or any other relevant documents to the Engineer (TALL Engineers Pty Ltd) for decision prior to proceeding with the work.
G5. Do not obtain dimensions by scaling the drawings. For setting out dimensions and levels refer to architectural drawings.
G6. The Builder is responsible for the provision of all shoring to maintain the stability and integrity of excavations and adjacent structures. Provide details, for review by the Engineer, of any necessary temporary works, including shoring, prior to commencing construction.
G7. During construction it is the Builder's responsibility to maintain the structure in a stable condition and to ensure no part is overstressed.
G8. The design and drawings are copyright and may not be used or reproduced in whole or in part without the written permission of TALL Engineers Pty Ltd

LOADINGS

L1. Wind loads have been determined in accordance with AS1170.2
Wind Region: A Terrain Category: 2.5
Average recurrence interval R = 500
L2. The relevant provisions of AS1170.4 have been applied for the following Earthquake Design:
Probability factor k_p:1 Hazard Factor Z: 0.08
Site Sub-Soil Class: Ae
Earthquake Design Category: II
L3. Pole loads as nominated on drawing S10

GENERAL PILE NOTES

GP1. Piles must be either steel screw piles or concrete driven piles and must be designed in accordance with the loads as below:

	SLS	ULS
Pile Compression	530	715
Pile Tension	335	450
Pile Shear	23	18

REINFORCED CONCRETE

C1. Provide all workmanship and materials in accordance with AS3600, the SAA standards cited in AS3600, the drawings and the specification.
C2. Provide concrete composition and minimum clear concrete cover to reinforcement as follows:-

CONCRETE STRENGTH

STRUCTURAL ELEMENT	F'c
Footings	40 MPa

CONCRETE COVERS

EXPOSURE CONDITION	COVER (mm)
1. Surfaces of members in contact with the ground	
(a) Footing and Pedestals	75

CONCRETE (ELAPSED DELIVERY TIMES)

Elapsed time between the wetting of the max and the discharge of the mix at the site must not exceed the criteria in the elapsed delivery timetable below:

ELAPSED DELIVERY TIME TABLE

CONCRETE TEMPERATURE AT TIME OF DISCHARGE (°C)	MAXIMUM ELAPSED TIME (HOURS)
<24	2.00
24 TO 27	1.50
27 TO 30	1.00
30 TO 32	0.75
32 TO 35	0.50

If the elapsed time is longer than the corresponding time in the table above, or the temperature is greater than 35°C, TALL Engineers are to be contacted to confirm whether placement is to proceed or if the pour is to be stopped

If the concrete temperature at the time of discharge is not ±5°C, concrete shall be rejected

REINFORCED CONCRETE (CONTINUED)

C3. Support all reinforcement at 1m maximum centres both ways on mild steel plastic tipped chairs, plastic chairs or concrete chairs. Use only plastic chairs for externally exposed soffits.
C4. Provide all concrete with 80mm maximum slump, 20mm maximum aggregate with no admixtures, unless approved by the Engineer.
C5. Sizes of concrete are net, exclusive of applied finishes. Beam depths are written first and include slab thickness.
C6. Property form construction joints and use only where shown or approved by the Engineer.
C7. Make no holes or chases in concrete members without the approval of the Engineer.
C8. Reinforcement is represented diagrammatically and is not necessarily shown in true projection.
C9. Weld or splice reinforcement only in positions approved by the Engineer.
C10. Provide the minimum clear spacing between conduits, cables, pipes and bars as required by AS3600 but not less than three bar diameters. Do not place conduits in slabs above top reinforcement or below bottom reinforcement.
C11. S denotes hot rolled deformed bars Grade 230S.
N denotes hot rolled deformed bars Grade 500N.
R denotes hot rolled plain round bars Grade 230R.
SL, RL, L(size)TM denotes hard drawn wire fabric Grade 500.
C12. Notify the Engineer a minimum of 24 hours before reinforcement has been completed. Allow 2 hours after the completion of the reinforcement for the Engineer's inspection. Do not order concrete until reinforcement has been approved by the Engineer.
C13. Cure concrete in accordance with AS3600. Commence curing within two hours of finishing operations and continue for a minimum of seven days by using an approved proprietary compound or by keeping continuously wet.
C14. Tie all unsupported bars in transverse direction to N12-300, lapped 500 U.N.O.
C15. Lap fabric in accordance with details fig.13.2.4 of AS3600.
C16. Provide hooks, laps and bends in accordance with AS3600 U.N.O.
C17. Provide Chamfers, drip grooves etc. in accordance with the Architect's details.
C18. Design, construct and strip formwork in accordance with AS3610 & AS3600.
C19. Pre camber formwork upwards by 1/500 of the clear span U.N.O. where supported beams and slabs span greater than 5m.
C20. These slabs have not been designed or detailed for an in-slab hydraulic heating system or for post tensioned prestressing. Contact the engineer for redesign and instruction if either is to be featured in these slabs.

REINFORCED CONCRETE (CONTINUED)

FABRIC LAP DIAGRAM

DRIVEN PILE NOTES

DP1. Driven pile design and installation in compliance with the requirements of Australian Standard AS2159-2009 piling-design and installation.
DP2. Limit state geotechnical strength reduction factor "Ø" value shall not exceed 0.52 (unless otherwise stated in geotech report) without load testing and prior approval of the Structural Engineer.
DP3. Driven piles 'sets' are not deemed suitable for pile capacity design and the piling contractor must submit static analysis of the pile design to prove capacity.
The driven pile 'set' must be in the range of 3mm to 10mm per blow at the end of the driving so that the full pile resistance is mobilised and can be measured using Dynamic Testing equipment
DP4. Geotechnical capacity must be proved by carrying out dynamic testing to verify the net driving energy delivered by the driving equipment and the distribution of resistance along the pile to confirm that the pile is founded in rock, on at least one pile for each different pole location. Restrike testing of the same piles after a minimum period of 24 hours is in addition required. The contractor shall inform the structural engineer of the test scheduling so the structural engineer may opt to have the dynamic testing supervised.
DP5. Piles must be designed for severely aggresive conditions and for a 50 year minimum design life. This requires a minimum cover of 50mm, a minimum concrete grade of 50MPa and a minimum pile age prior to installation of at least 7 days after the specified 28 day structural strength of the concrete in the pile has been achieved, but under no circumstances earlier than 14 days after their casting.
DP6. Installation torques to be monitored to reconcile expected geotechnical conditions and those actually encountered during installation.
DP7. Permissible position deviation for a pile at cut-off level shall be ±75 mm in plan position and within 1:75 of the specified inclination for piles raked up to 1 in 5 and 7% for piles raked more than 1 in 5. The pile must be designed for these construction tolerances and any eccentricities as a result unless noted otherwise by the structural engineer.
DP8. Cut-off levels:
All piles shall be trimmed to a cut-off level within ±25 mm from the design cut-off level.
DP9. At the completion of the pile works the piling contractor is to issue certification that the piles have been designed to carry the loads as detailed by the Structural Engineer, and that the piles have been installed in accordance with that design.
Design certification is to be issued by a certified practicing Engineer competent in pile design and approved by the Structural Engineer prior to installation of the piles.
DP10. Pile splices must be able to transmit the full tension load or the full pile compression load. Both these loads must be applied co-existent with the resultant moment due to the nominated pile shear or the minimum pile moment required for robustness, which ever is larger.

NSW GOVERNMENT | SydneyOlympicPark

Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127

Issued under the Environmental, Planning and Assessment Act 1979

Approved Development Application No.: DA 05-09-2024

Granted on the 26/03/2025 subject to any conditions contained in the notice of determination.

Signed: ..... Date: 31/03/2025

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Rev.	Issue/Amendment	By	App.	Date
A	ISSUED FOR REVIEW	L.R	R.A	13.09.23
B	ISSUED FOR DEVELOPMENT APPLICATION	P.F	R.A	02.11.23
C	PILES CHANGED TO DRIVEN PILES	M.dZ	R.A	05.12.23

TALL consulting engineers
TALL Engineers
Suite 202, 283 Alfred Street,
North Sydney NSW 2060
(t) 02 8065 0402
(e) mail@TALLengineers.com.au
(w) www.TALLengineers.com.au

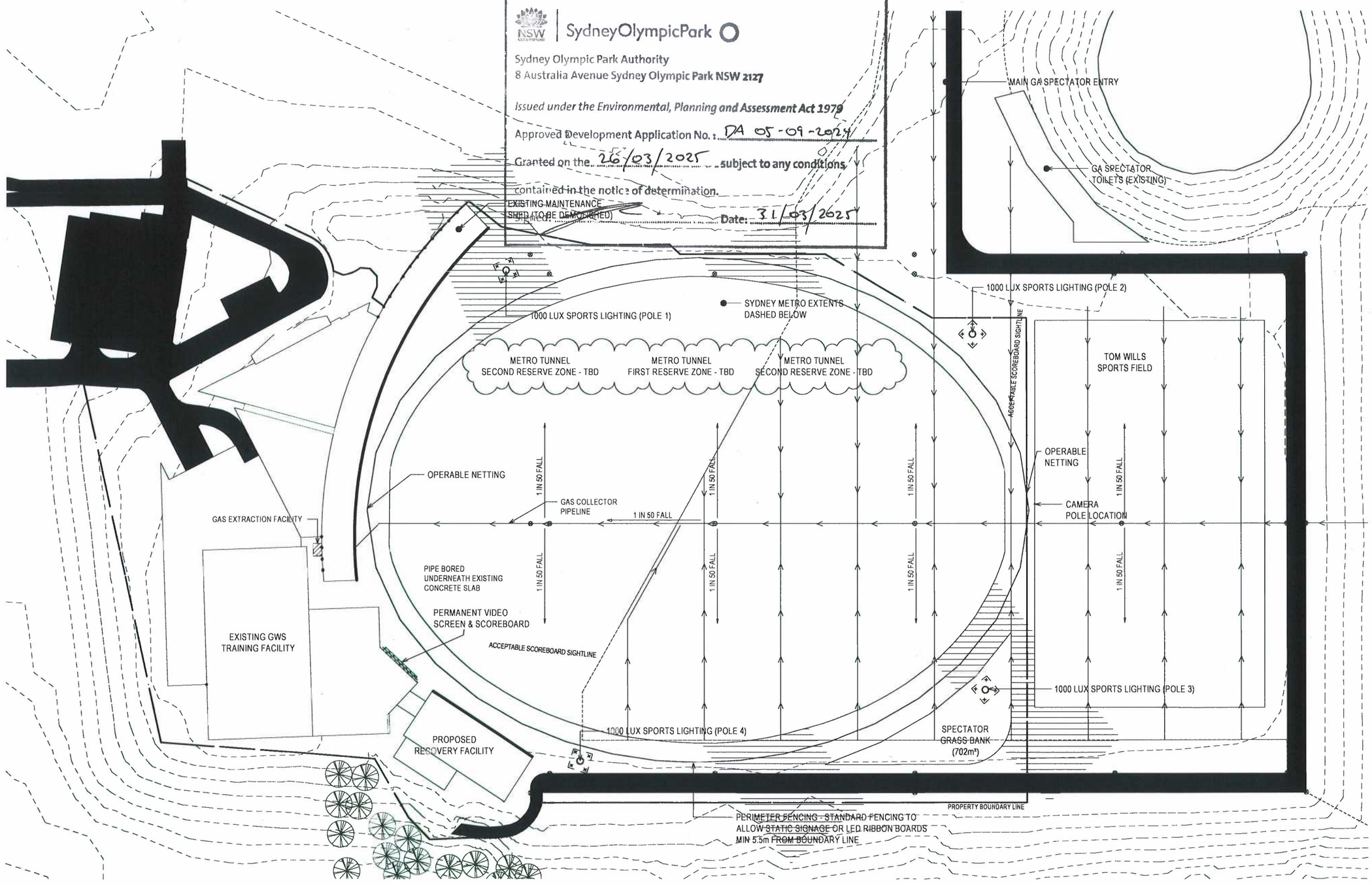
Client: REES ELECTRICAL

Project: TOM WILLS OVAL

Title: POLE FOUNDATION DESIGN

SIGNATURE: THIS DRAWING HAS BEEN ASSIGNED A DIGITAL THE PRESENCE OF THIS DIGITAL SIGNATURE INDICATES THAT THIS IS THE CERTIFIED DRAWING ISSUED FOR CONSTRUCTION.

Signature	Signature Date	Designed
		R.A
Scale at A1	Date	Drawn
NTS	SEPT 2023	PF
Job No.	Drawing No.	Revision
22091125	S01	C



SydneyOlympicPark

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Rev.	Issue/Amendment	By	App.	Date
A	ISSUED FOR REVIEW	MdZ	RA	21.09.23
B	ISSUED FOR DEVELOPMENT APPLICATION	MdZ	RA	02.11.23
C	RE-ISSUED FOR DEVELOPMENT APPLIC	MdZ	RA	18.07.24
D	RE-ISSUED FOR DEVELOPMENT APPLIC	MdZ	RA	09.09.24

TALL consulting engineers
TALL Engineers
Suite 202, 283 Alfred Street,
North Sydney NSW 2060
(t) 02 8065 0402
(e) mail@TALLengineers.com.au
(w) www.TALLengineers.com.au

Lighting Up Australia's Future
REES ELECTRICAL

Project: TOM WILLS OVAL

Title: LOCATION PLAN

SIGNATURE: THIS DRAWING HAS BEEN ASSIGNED A SIGNATURE, THE PRESENCE OF THIS SIGNATURE SIGNIFIES THAT THIS IS THE CERTIFIED DRAWING ISSUED FOR CONSTRUCTION.

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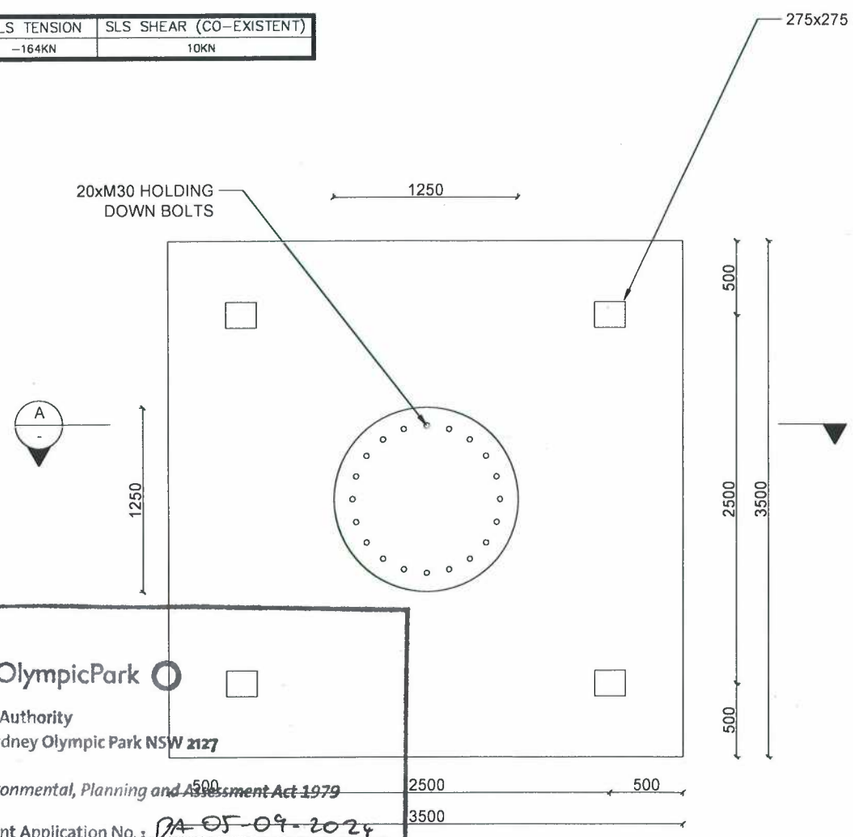
		R.A
Scale at A1	Date	Drawn
1:500	SEPT 2023	L.R
Job No.	Drawing No.	Revision
22091125	S02	D

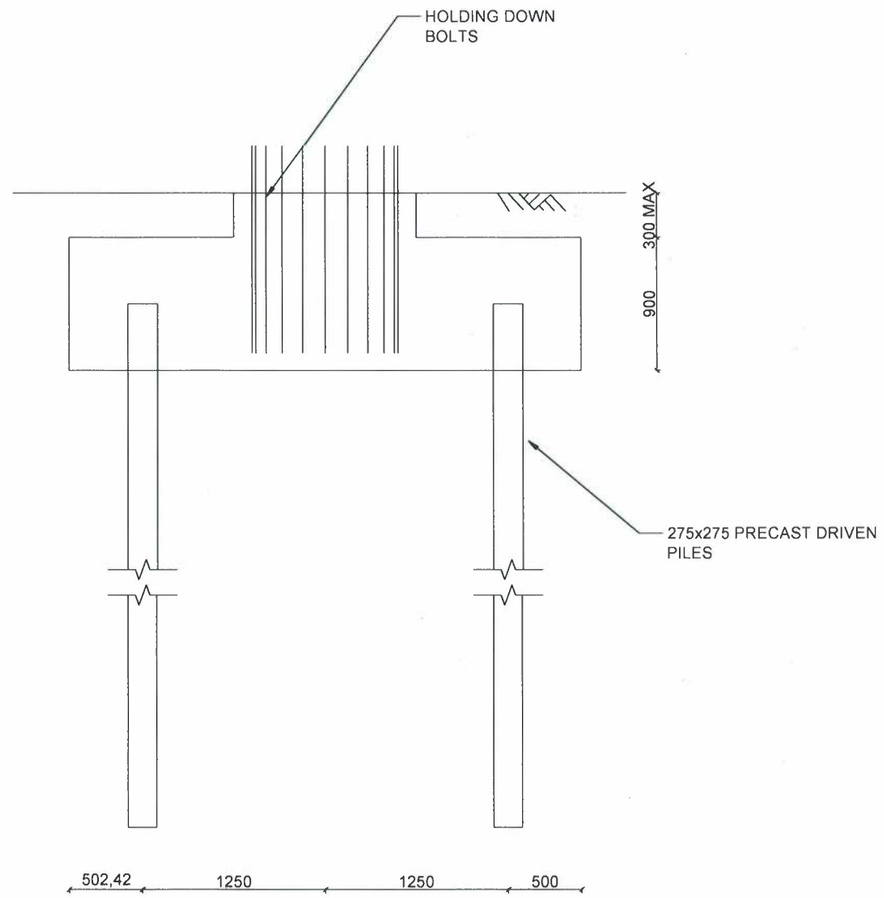
PILE LOADS

ULS COMPRESSION	ULS TENSION	ULS SHEAR (CO-EXISTENT)
467KN	-272KN	13KN

SLS COMPRESSION	SLS TENSION	SLS SHEAR (CO-EXISTENT)
348KN	-164KN	10KN



PLAN



SECTION A -

SydneyOlympicPark

Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127

Issued under the Environmental, Planning and Assessment Act 1979

Approved Development Application No.: DA-05-09-2024

Granted on the 26/03/2025 subject to any conditions contained in the notice of determination.

Signed: Date: 31/03/2025

POLE DESIGN LOADS:

- M* = 1070kNm
- V* = 49.5kN
- N* = 63.8kN

NOTES

1. PILE CAPS HAVE BEEN DESIGNED FOR CASTING DIRECTLY AGAINST THE SOIL WITHOUT THE PROTECTION OF A DAMP PROOF MEMBRANE
2. PILES ARE TO BE 275x275 PRECAST DRIVEN PILES.
3. ALL PILES MUST BE DRIVEN THROUGH THE LANDFILL AND CLAY TO REFUSE IN ROCK
4. PILES MUST BE DESIGNED FOR SEVERELY AGGRESSIVE CONDITIONS AND FOR A DESIGN LIFE OF 50 YEARS
5. PILES MAY NOT DEFLECT/SETTLE AXIALLY MORE THAN 10mm UNDER SWL IN EITHER TENSION OR COMPRESSION UNDER SHORT OR LONG TERM LOADING
6. THE PILE CAPS HAVE BEEN DESIGED FOR A B2 EXPOSURE CONDITION
7. IF THE PEDESTAL IS CAST SEPARATELY TO THE MAIN CAP THE INTERFACE MUST BE SCABBLED PRIOR TO POURING THE PEDESTAL
8. CONDUITS MUST BE OFFSET WITH A MINIMUM CLEAR DISTANCE OF 200MM FROM THE SCREW PILES AND 200MM FROM THE HOLDING DOWN BOLT BASE TEMPLATES

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Rev.	Issue/Amendment	By	App.	Date
A	ISSUED FOR DEVELOPMENT APPLICATION	MdZ	R.A	14.08.24
B	ISSUED FOR DEVELOPMENT APPLICATION	MdZ	R.A	09.09.24
C	ISSUED FOR DEVELOPMENT APPLICATION	MdZ	R.A	25.09.24
D	PILES CHANGED TO DRIVEN PRECAST	MdZ	R.A	09.12.24

Rev.	Issue/Amendment	By	App.	Date

TALL consulting engineers
TALL Engineers
Suite 202, 283 Alfred Street,
North Sydney NSW 2060
(t) 02 8065 0402
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Client: REES ELECTRICAL

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Title: POLE FOUNDATION

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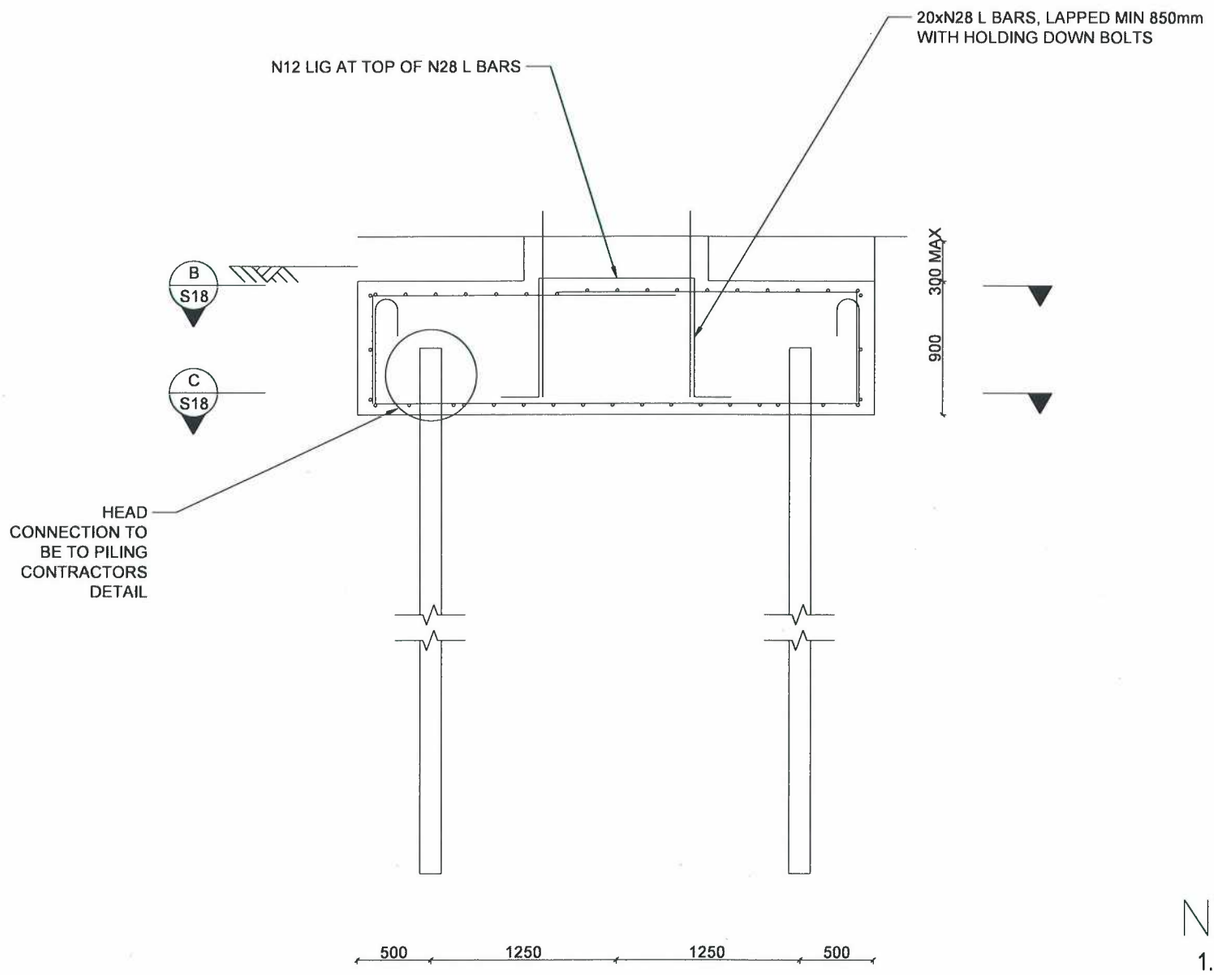
Signature	Signature Date	Designed
		R.A
Scale at A1	Date	Drawn
1:20	DEC 2024	MdZ
Job No.	Drawing No.	Revision
22091125	S16	D



SECTION
POLE FOUNDATIONS

SydneyOlympicPark

Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127

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Signed: Date: 31/03/2025

NOTES

1. COVER TO REO TO BE 75MM THROUGHOUT
2. CONCRETE TO BE 40MPA
3. MINIMUM LAP LENGTH FOR 16mm BARS TO BE 650mm
4. MINIMUM LAP LENGTH FOR 20mm BARS TO BE 800mm EXCEPT AT THE VERTICAL EDGE LAPS, WHERE BARS MUST LAP 725mm
5. N28 COG LENGTH TO BE 300mm

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Rev.	Issue/Amendment	By	App.	Date
A	ISSUED FOR DEVELOPMENT APPLICATION	M.dZ	R.A	09.09.24
B	PILES CHANGED TO DRIVEN PRECAST	M.dZ	R.A	09.12.24

Rev.	Issue/Amendment	By	App.	Date

TALL consulting engineers
TALL Engineers
Suite 202, 283 Alfred Street,
North Sydney NSW 2060
(t) 02 8065 0402
(e) mail@TALLengineers.com.au
(w) www.TALLengineers.com.au

Client: Lighting Up Australia's Future REES ELECTRICAL

Project: TOM WILLS OVAL

Title: REINFORCEMENT SECTIONS

SIGNATURE: THIS DRAWING HAS BEEN ASSIGNED A SIGNATURE. THE PRESENCE OF THIS SIGNATURE SIGNIFIES THAT THIS IS THE CERTIFIED DRAWING ISSUED FOR CONSTRUCTION.

Signature	Signature Date	Designed
		R.A
Scale at A1 1:20	Date JAN 2022	Drawn A.D
Job No. 22091125	Drawing No. S17	Revision B

SydneyOlympicPark

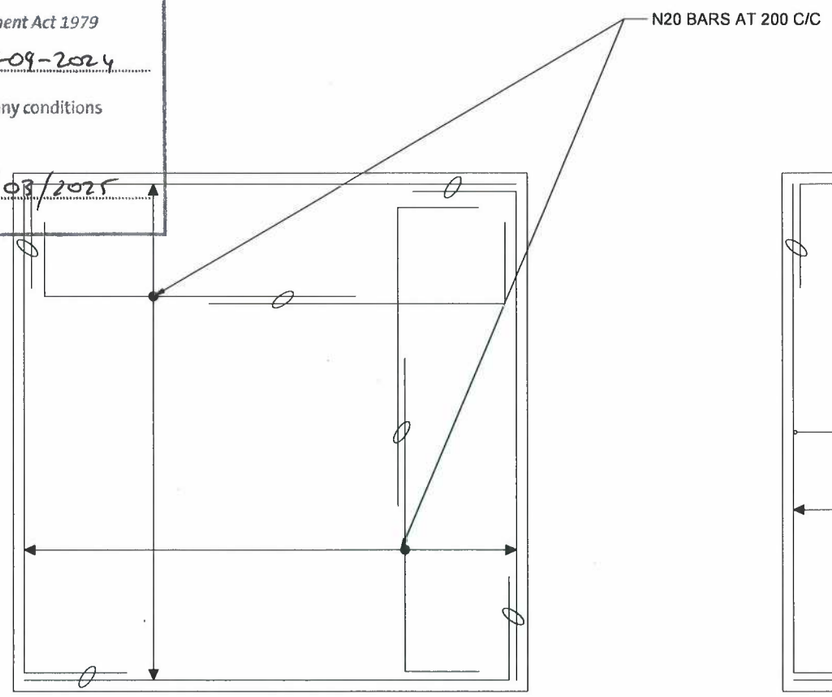
Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127

Issued under the Environmental, Planning and Assessment Act 1979

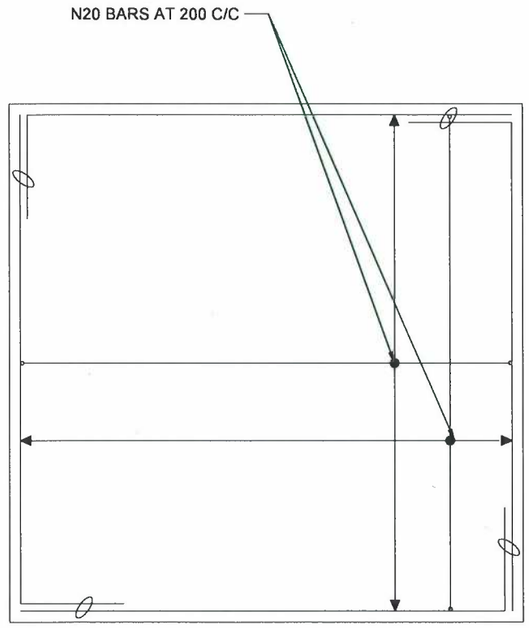
Approved Development Application No. : DA-05-09-2024

Granted on the 26/03/2025 subject to any conditions contained in the notice of determination.

Signed: ..... Date: 31/03/2025



SECTION B / S17



SECTION C / S17

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Rev.	Issue/Amendment	By	App.	Date
A	ISSUED FOR DEVELOPMENT APPLICATION	A.D	R.A	09.09.24

Rev.	Issue/Amendment	By	App.	Date

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TALL Engineers
Suite 202, 283 Alfred Street,
North Sydney NSW 2060
(t) 02 8065 0402
(e) mail@TALLengineers.com.au
(w) www.TALLengineers.com.au

Client: Lighting Up Australia's Future REES ELECTRICAL

Project: TOM WILLS OVAL

Title: REINFORCEMENT PLANS

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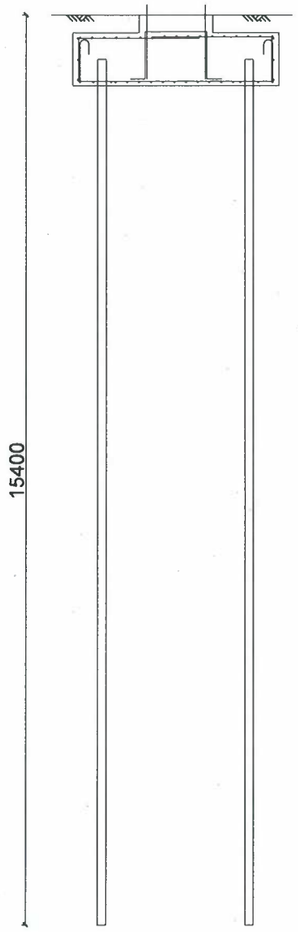
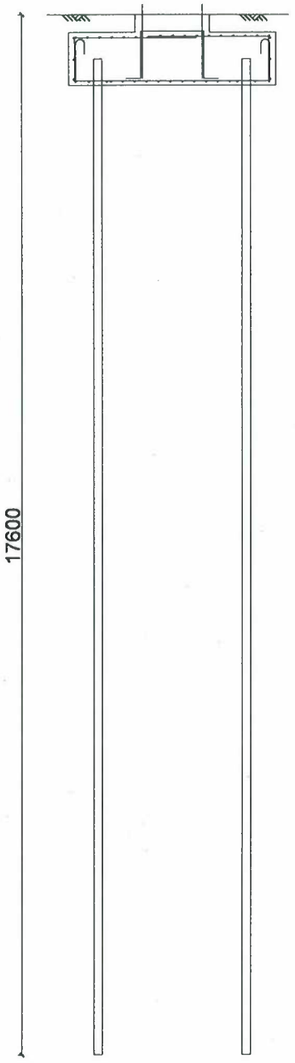
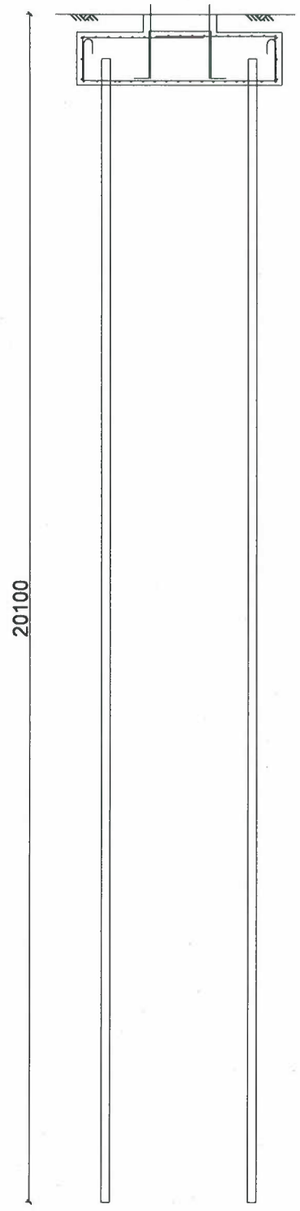
Signature	Signature Date	Designed
		R.A
Scale at A1: 1:20	Date: JAN 2022	Drawn: A.D
Job No.: 22091125	Drawing No.: S18	Revision: A



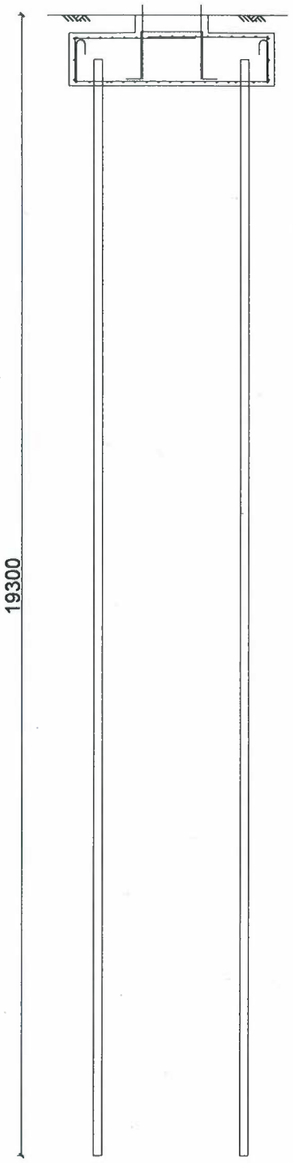
NW LIGHT TOWER SECTION POLE FOUNDATIONS



NE LIGHT TOWER SECTION POLE FOUNDATIONS



SE LIGHT TOWER SECTION POLE FOUNDATIONS



SW LIGHT TOWER SECTION POLE FOUNDATIONS

SydneyOlympicPark

Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127

*issued under the Environmental, **Planning and** Assessment Act 1979*

Approved Development Application No.: DA 05-09-2024

Granted on the 26/03/2025 subject to any conditions contained in the notice of determination.

Signed: ..... Date: 31/03/2025

NOTES

1. FOR THE PURPOSES OF THIS DRAWING, DRIVEN PILES ARE ASSUMED TO PENETRATE 300mm INTO ROCK, BUT THIS MUST BE CONFIRMED BY THE PILE DESIGNER.
2. ROCK LEVELS HAVE BEEN TAKEN FROM J&K REPORT 35309PN rpt DATED 1ST JUNE 2023, AS SOME POLE DESIGN LOCATIONS HAVE MOVED A LITTLE SINCE THE TIME THE GEOTECHNICAL INVESTIGATION WAS UNDERTAKEN, THESE DEPTHS SHOULD BE CONSIDERED TO BE APPROXIMATE AND MUST BE CONFIRMED AT THE TIME OF PILING.

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Rev.	Issue/Amendment	By	App.	Date
A	ISSUED FOR REVIEW	P.F	R.A	09.12.24

Rev.	Issue/Amendment	By	App.	Date

TALL consulting engineers
TALL Engineers
Suite 202, 283 Alfred Street,
North Sydney NSW 2060
(t) 02 8065 0402
(e) mail@TALLengineers.com.au
(w) www.TALLengineers.com.au

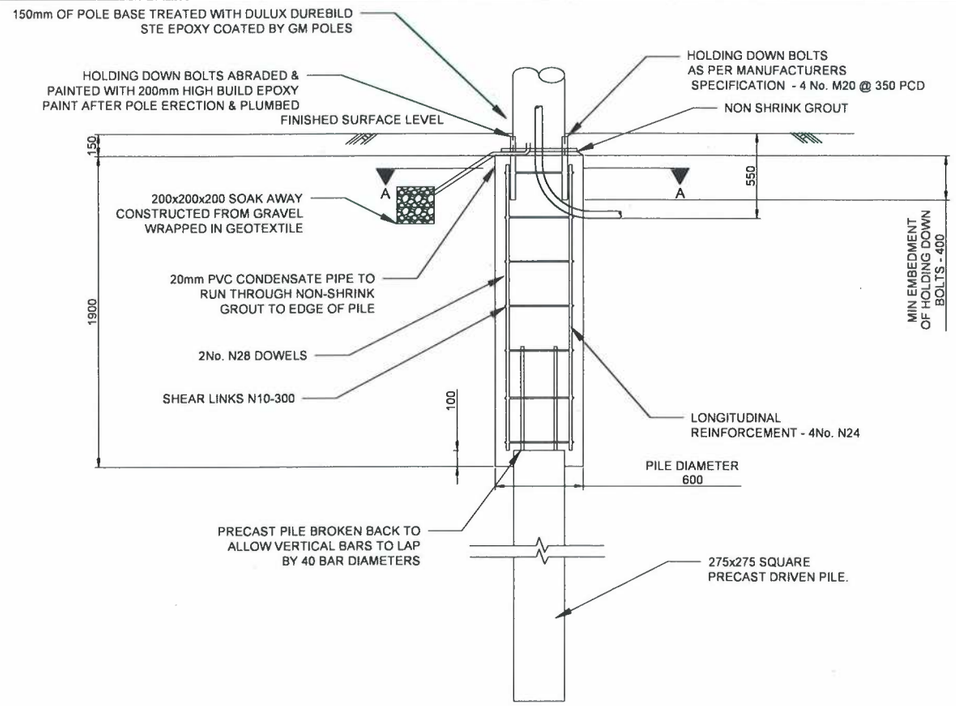
Client: REES ELECTRICAL — Lighting Up Australia's Future

Project: TOM WILLS OVAL

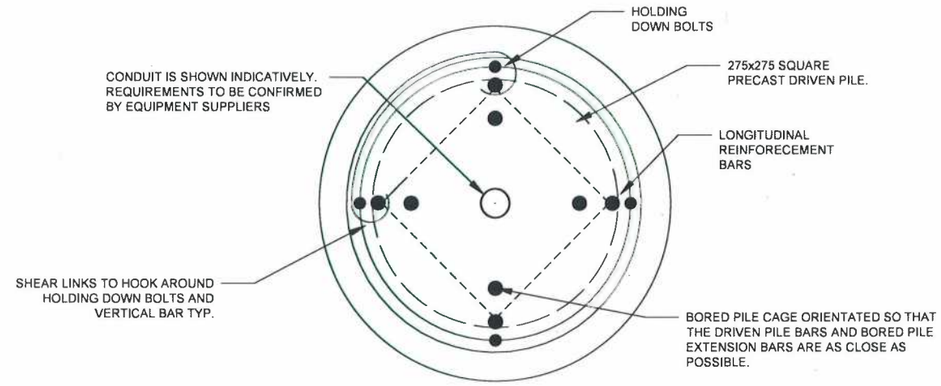
Title: DRIVEN PILES ELEVATIONS

SIGNATURE: THIS DRAWING HAS BEEN ASSIGNED A SIGNATURE. THE PRESENCE OF THIS SIGNATURE SIGNIFIES THAT THIS IS THE CERTIFIED DRAWING ISSUED FOR CONSTRUCTION.

Signature	Signature Date	Designed
		R.A
Scale at A1	Date	Drawn
1:50	DEC 2024	P.F
Job No.	Drawing No.	Revision
22091125	S20	A



CAMERA POLE ELEVATION



SECTION A-A
SCALE 1:5

GM POLES - CAMERA POLE DESIGN LOADS:

M* = 36.5kNm
V* = 7.2kN

Sydney OlympicPark
Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127
Issued under the Environmental, Planning and Assessment Act 1979
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Signed: Date: 31/03/2025

NOTES:

1. CONDUITS FOR THE LIGHT POLES MUST BE BROUGHT THROUGH THE CENTRE OF THE REINFORCING CAGE
2. EXCAVATIONS IN EXCESS OF 600mm ARE NOT TO OCCUR WITHIN 1.8m OF THE PILE EDGE.
3. CONCRETE IS TO BE POURED ON THE SAME DAY AS THE DRILLING OF PILE. PILE CASINGS ARE TO BE USED TO PREVENT GROUND LOSS INTO THE PILE WHERE REQUIRED
4. ALL PILE CAGES TO CONTINUE TO 100mm ABOVE THE PILE BASE. REINFORCEMENT IS TO BE APPROPRIATELY SUPPORTED DURING CONCRETE CURING AND IS TO BE LOCATED IN THE CENTRE OF THE PILE. ALL HOLD DOWN BOLTS TO BE POSITIONED WITH THE CENTRE OF THE BOLT GROUP AT THE CENTRE OF THE PILE.
5. TREMIE MIX CONCRETE MAY BE USED TO PREVENT THE NEED FOR VIBRATION.
6. PILES HAVE BEEN DESIGNED FOR SEVERELY AGGRESSIVE SOIL
7. ALL COVER = 70mm
8. CONCRETE = 50MPa
9. DESIGN HAS BEEN UNDERTAKEN FOR THE GEOTECHNICAL CONDITIONS AT BH101 AND BH102 IN THE JEFFERY AND KATAUSKAS REPORT 32509Nrpt REV1, DATED 15TH AUGUST 2019. TALL ENGINEERS SHOULD BE CONTACTED IMMEDIATELY IF FOUNDING CONDITIONS ARE NOT STIFF CLAY.
10. DRIVEN PILES MUST BE DESIGNED FOR 25KN SWL
11. PILES MUST BE DRIVEN THROUGH LAND FILL TO REFUSE IN VIRGIN CLAY OR ROCK BELOW
12. PILES MAY NOT DEFLECT/SETTLE AXIALLY MORE THAN 10mm UNDER SWL
13. PILES MUST BE DESIGNED FOR SEVERELY AGGRESSIVE CONDITIONS AND FOR A DESIGN LIFE OF 50 YEARS.
14. A CONDENSATE PIPE MUST BE INSTALLED AS NORMAL, THE INSIDE OF THE POLE MUST BE FILLED WITH NON SHRINK GROUT TO GROUND LEVEL AND THE CONDENSATE PIPE SHOULD BE EXTENDED TO THE TOP OF THE GROUT FILL.
15. AS THE CONDENSATE WILL EXIT BELOW GROUND IT MUST BE CONNECTED TO A SOAK AWAY PIT OR THE SUBSOIL DRAINAGE.

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Rev.	Issue/Amendment	By	App.	Date
A	ISSUED FOR DEVELOPMENT APPLICATION	P.F	R.A	14.03.25

Rev.	Issue/Amendment	By	App.	Date

TALL consulting engineers
TALL Engineers
Suite 202, 283 Alfred Street,
North Sydney NSW 2060
(t) 02 8065 0402
(e) mail@TALLengineers.com.au
(w) www.TALLengineers.com.au

Client: REES ELECTRICAL

Project: TOM WILLS OVAL

Title: CAMERA POLE FOUNDATION DESIGN

SIGNATURE: THIS DRAWING HAS BEEN ASSIGNED A SIGNATURE. THE PRESENCE OF THIS SIGNATURE SIGNIFIES THAT THIS IS THE CERTIFIED DRAWING ISSUED FOR CONSTRUCTION.

Signature	Signature Date	Designed
		R.A
Scale at A1	Date	Drawn
NTS	MARCH 2025	P.F
Job No.	Drawing No.	Revision
22091125	S21	A

LEGEND

21.00	BULK EARTHWORKS SURFACE MAJOR CONTOUR LINE
21.10	BULK EARTHWORKS SURFACE MINOR CONTOUR LINE
21.10	EXISTING SURFACE CONTOUR LINE
BEL 555.555	BULK EARTHWORKS PAD LEVEL
+ BEL55.555	BULK EARTHWORKS SURFACE LEVEL
	EXTENT OF BATTER

BULK EARTHWORKS NOTES

1. REFER TO DRAWING C3101 FOR SPECTATOR MOUND BULK EARTHWORKS SPECIFICATIONS, BULK EARTHWORKS CUT TO FILL DEPTHS PLAN AND VOLUMES CALCULATIONS.
2. REFER TO C3501 FOR SPECTATOR MOUND BULK EARTHWORKS SECTIONS

SydneyOlympicPark

Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127

Issued under the Environmental, Planning and Assessment Act 1979

Approved Development Application No.: DA 05-09-2024

Granted on the 26/03/2025 subject to any conditions contained in the notice of determination.

Signed: _____ Date: 31/03/2025

TENDER ISSUE

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REFERENCES

DATE	AMENDMENT	INIT	REV
22.09.23	50% ISSUE	DD	1
06.10.23	80% ISSUE	DD	2
13.10.23	ISSUE FOR TENDER	DD	3

DATE	AMENDMENT	INIT	REV

STRUCTURAL –
MECHANICAL –
ELECTRICAL –
CIVIL –

CLIENT: GIANTS

BUILDER: FDC CONSTRUCTION & FITOUT PTY LTD

PROJECT: GWS CENTER OF EXCELLENCE
1 OLYMPIC BOULEVARD, SYDNEY
OLYMPIC PARK
CIVIL SERVICES

ARCHITECT: POPULOUS

SPARKS + PARTNERS
CONSULTING ENGINEERS
HYDRAULIC | CIVIL | FIRE
Level 1, 91 George Street | Parramatta | NSW 2150
P 02 9891 5033 | F 02 9891 3899 | E admin@sparksandpartners.com.au
https://sparksandpartners.com.au/

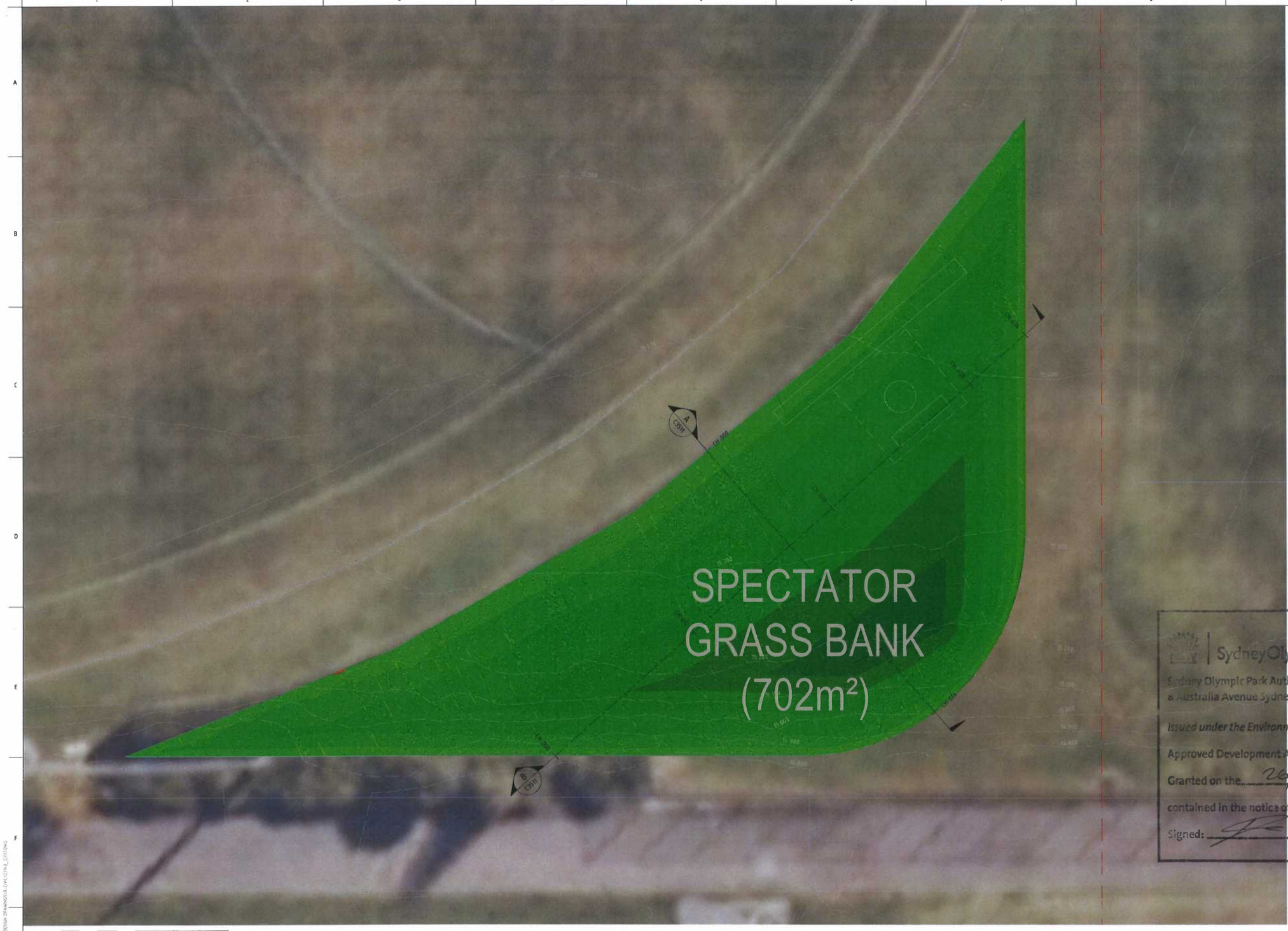
FPA AUSTRALIA Fire Protection Association Australia CORPORATE MEMBER
DNV·GL ISO 9001
HCAA

DRAWING TITLE: CIVIL DESIGN
SPECTATOR MOUND - BULK EARTHWORKS CONTOUR PLAN

DATE	DRAWN	DESIGNED	CHECKED
JUL 2023	MY	DD	DD

PROJECT No	SCALE	SIZE	REVISION
23142	1:100	A1	3

DRAWING No: C3211



BULK EARTHWORKS NOTES

1. BULK EARTHWORKS ARE TO BE TO BE UNDERTAKEN IN ACCORDANCE WITH AS3798-2007, GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS.
2. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL INVESTIGATION REPORT FOR SPECIFIC SITE CONDITIONS AND WORKS METHODOLOGY.
3. CUT TO FILL DEPTHS SHOWN ARE BASED ON LEVELS AND PAVEMENT THICKNESS' IN COMPARISON TO SURVEY REFERENCED IN C1101 RESULTING IN THE FOLLOWING CUT TO FILL VOLUMES:

   CUT = $0m^3$
   FILL = $343m^3$

   TOTAL FILL = $343m^3$

4. VOLUMES DETAILED ABOVE DO NOT TAKE INTO ACCOUNT BULKING & COMPACTION OF THE MATERIAL
6. THE CONTRACTOR SHALL VERIFY LEVELS PRIOR TO CONSTRUCTION COMMENCEMENT, ANY DISCREPANCIES SHALL BE NOTIFIED TO THE ENGINEER OR SUPERINTENDENT FOR CLARIFICATION.
7. REFER TO C3121 FOR SPECTATOR MOUND BULK EARTHWORKS CONTOURS
8. REFER TO C3511 FOR SPECTATOR MOUND BULK EARTHWORKS SECTIONS

LEGEND

CUT:		FILL:	
-5.0 TO -2.5m		0.0 TO 0.1m	
-2.5 TO -1.5m		0.1 TO 0.25m	
-1.5 TO -1.0m		0.25 TO 0.5m	
-1.0 TO -0.75m		0.5 TO 0.75m	
-0.75 TO -0.5m		0.75 TO 1.0m	
-0.5 TO -0.25m		1.0 TO 1.5m	
-0.25 TO -0.1m		1.5 TO 2.5m	
-0.1 TO 0.0m		2.5 TO 5.0m	

SydneyOlympicPark

Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127

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1:100

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DATE	AMENDMENT	INIT	REV

STRUCTURAL -
MECHANICAL -
ELECTRICAL -
CIVIL -

CLIENT: GIANTS

BUILDER: FDC CONSTRUCTION & FITOUT PTY LTD

PROJECT: GWS CENTER OF EXCELLENCE
1 OLYMPIC BOULEVARD, SYDNEY
OLYMPIC PARK
CIVIL SERVICES

ARCHITECT: POPULOUS

SPARKS + PARTNERS
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HYDRAULIC | CIVIL | FIRE
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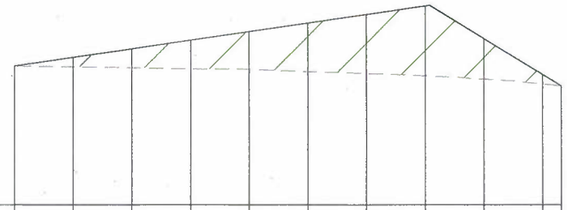
TENDER ISSUE

DRAWING TITLE: CIVIL DESIGN
SPECTATOR MOUND - BULK
EARTHWORKS CUT TO FILL PLAN

DATE	DRAWN	DESIGNED	CHECKED
JUL 2023	MY	DD	DD

PROJECT No	SCALE	SIZE	REVISION
23142	1:100	A1	3

DRAWING No: C3111



DATUM R.L. 13.000

BULK EARTHWORKS DESIGN SURFACE LEVEL	15.349	15.497	15.643	15.790	15.935	16.079	16.224	16.369	15.820	15.207	
EXISTING SURFACE LEVEL	15.349	15.334	15.320	15.300	15.296	15.255	15.225	15.185	15.127	15.041	15.012
CHAINAGE	0.000	2.000	4.000	6.000	8.000	10.000	12.000	14.000	16.000	18.000	18.638

BULK EARTHWORKS - MOUND SECTION (A / C3111)

SCALE 1:100
SCALE 1:50

DATUM R.L. 13.000

BULK EARTHWORKS DESIGN SURFACE LEVEL	14.833	14.940	15.053	15.169	15.218	15.244	15.261	15.281	15.300	15.300	15.300	15.315	15.336	15.354	15.374	15.393	15.400	15.400
EXISTING SURFACE LEVEL	14.833	14.940	15.053	15.169	15.218	15.244	15.261	15.281	15.300	15.300	15.300	15.315	15.336	15.354	15.374	15.393	15.400	15.400
CHAINAGE	0.000	2.000	4.000	6.000	8.000	10.000	12.000	14.000	16.000	18.000	20.000	22.000	24.000	26.000	28.000	30.000	32.000	33.934

BULK EARTHWORKS - MOUND SECTION (B / C3111)

SCALE 1:100
SCALE 1:50

LEGEND

- BULK EARTHWORKS - CUT AREA
- BULK EARTHWORKS - FILL AREA

BULK EARTHWORKS NOTES

1. REFER TO DRAWING C3101 FOR SPECTATOR MOUND BULK EARTHWORKS SPECIFICATIONS, BULK EARTHWORKS CUT TO FILL DEPTHS PLAN AND VOLUMES CALCULATIONS.
2. REFER TO C3201 FOR SPECTATOR MOUND BULK EARTHWORKS CONTOUR PLAN

NSW GOVERNMENT | SydneyOlympicPark

Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127

Issued under the Environmental, Planning and Assessment Act 1979

Approved Development Application No.: DA 05-09-2024

Granted on the 26/03/2025 subject to any conditions contained in the notice of determination.

Signed: Date: 31/03/2025

TENDER ISSUE

AS SHOWN

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DATE	AMENDMENT	INIT	REV

STRUCTURAL -
MECHANICAL -
ELECTRICAL -
CIVIL -

CLIENT: GIANTS

BUILDER: FDC CONSTRUCTION & FITOUT PTY LTD

PROJECT: GWS CENTER OF EXCELLENCE
1 OLYMPIC BOULEVARD, SYDNEY
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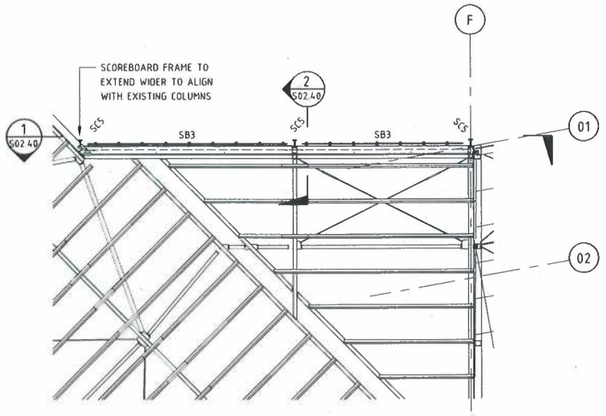
DRAWING TITLE: CIVIL DESIGN
SPECTATOR MOUND - BULK EARTHWORKS SECTIONS

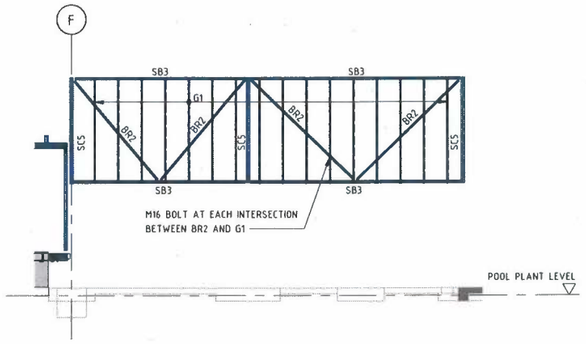
DATE	DRAWN	DESIGNED	CHECKED
JUL 2023	MY	DD	DD

PROJECT No	SCALE	SIZE	REVISION
23142	AS SHOWN	A1	3

DRAWING No: C3511

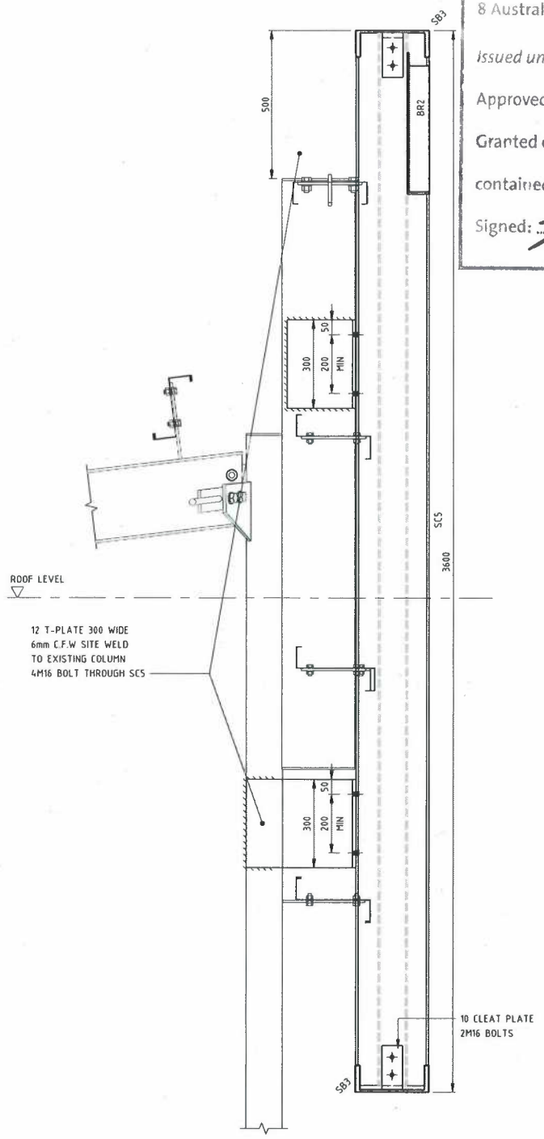


SCOREBOARD FRAMING PLAN



ELEVATION 1 S01.15

3D SCOREBOARD



SECTION 2 S02.40

SydneyOlympicPark

Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127

Issued under the Environmental, Planning and Assessment Act 1979

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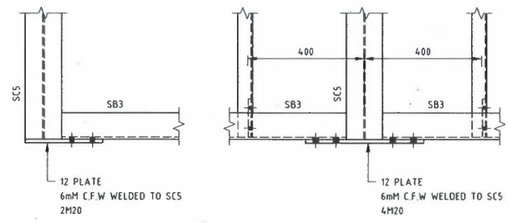
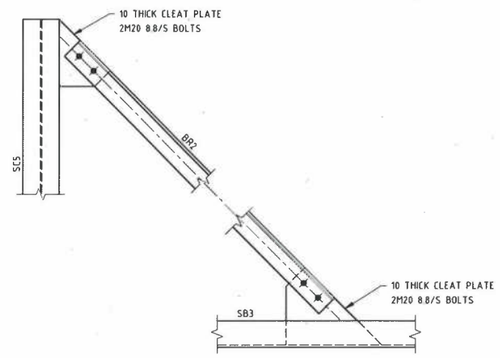
MEMBER SCHEDULE		
MARK	SIZE	COMMENT(S)
BEAM		
SB3	250 PFC	
BRACING		
BR2	75 x 75 x 5 EA	
COLUMN		
SC5	250 UB 25.7	
GIRT		
G1	100 PFC	AT 800 CTS MIN. TO PROVIDE FIXING FOR DIGITAL DISPLAY



TYPICAL SC5 TO SB3 CONNECTION DETAILS



SCOREBOARD - TYPICAL CROSS BRACING

DRAWN: A. THOMAS
DESIGNED: L. MCARTHUR
JOB MANAGER: M. SALTER
VERIFIER: P.OHARA

FOR CONSTRUCTION

REV	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
A	ISSUED FOR CONSTRUCTION	AT	PO	MS	10.09.24

CLIENT: FDC
sydney@fdcbuilding.com.au
DRAWINGS NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

ARCHITECT: POPULOUS
Level 2, 78-84 Kippax Street
Surry Hills NSW 2010
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NORTHROP
Sydney
Level 11, 345 George Street, Sydney, N.S.W. 2000
Ph (02) 9241 4188 Email: sydney@northrop.com.au
ABN 81 094 433 100

PROJECT: 7767 GWS TRAINING RECOVERY FACILITY
1 OLYMPIC BLVD, SYDNEY
OLYMPIC PARK NSW 2127

DRAWING TITLE: STRUCTURAL DRAWING SCOREBOARD FRAMING DETAILS

JOB NUMBER: SY230784
DRAWING NUMBER: S02.40
REVISION: A
DRAWING SHEET SIZE = A1

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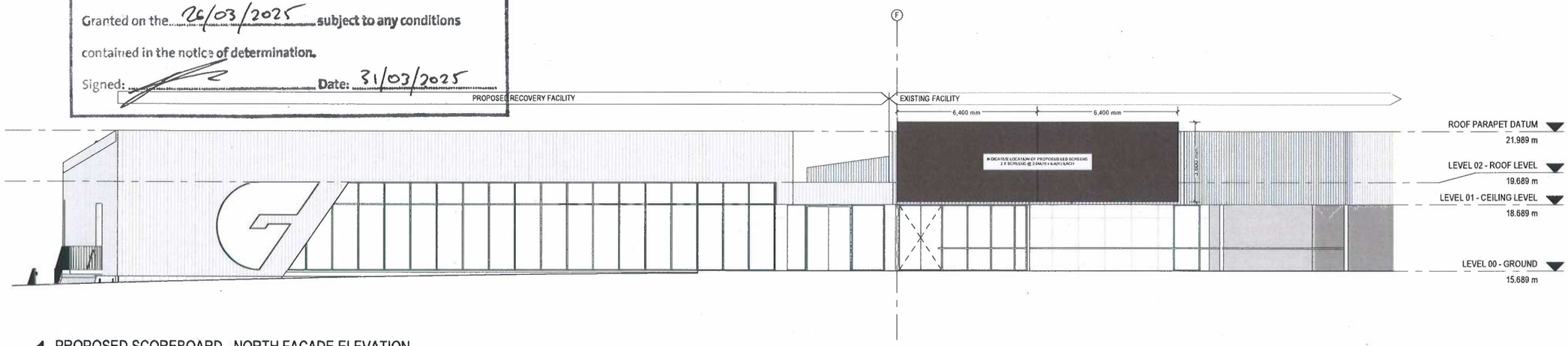

1 PROPOSED SCOREBOARD - NORTH FACADE ELEVATION
1 : 100

2 PROPOSED SCOREBOARD 3D VIEW

FOR INFORMATION

REFERENCE MAP

0 2 4 8m
1:100

CLIENT

GIANTS

STRUCTURAL, CIVIL AND SERVICES ENGINEER

PROJECT MANAGER

FDC

LANDSCAPE ARCHITECT

COST CONSULTANT

NOTES

DISCLAIMER

USE FIGURED DIMENSIONS ONLY DO NOT SCALE FROM DRAWING CHECK & VERIFY ALL DIMENSIONS ON SITE BEFORE FABRICATION OR SET OUT.

This drawing is diagrammatic and shows general arrangements. Any information involving measurement of the works shall be taken from documented dimensions on the architectural and structural drawings, workshop drawings by others and conditions on site. The works shall comply with the contract conditions and Statutory Regulations.

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REV	DESCRIPTION	DATE
1	FOR INFORMATION	31/07/2024

ARCHITECT

POPULOUS

ABN 36 673 881 993
SYDNEY
Level 02
78-84 Kippax Street
Surry Hills, NSW 2010
AUSTRALIA
t +61(0) 2 8244 3450
f +61(0) 7 3839 9188
www.populous.com
E-mail: sport.au@populous.com

PROJECT

7767 GWSAFWV TRF BLD

1 Olympic Blvd, Sydney Olympic Park NSW 2127

SHEET TITLE

PROPOSED SCOREBOARD

PROJECT NUMBER	REVIEWED
7767	KD
COORDINATED	APPROVED
POP	AB
SCALE 100% @ A1	NORTH POINT
1 : 100	

PHASE	DRAWING NUMBER	REVISION
CC	AR-60-0002	1

ORIGINAL SHEET SIZE A1 - 841mm x 594mm

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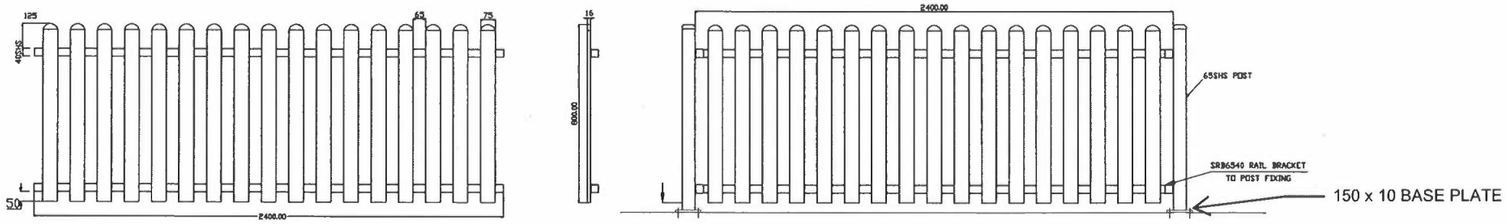
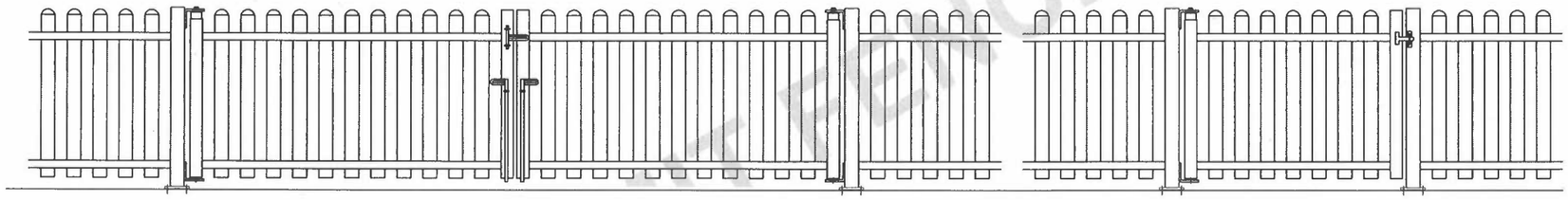
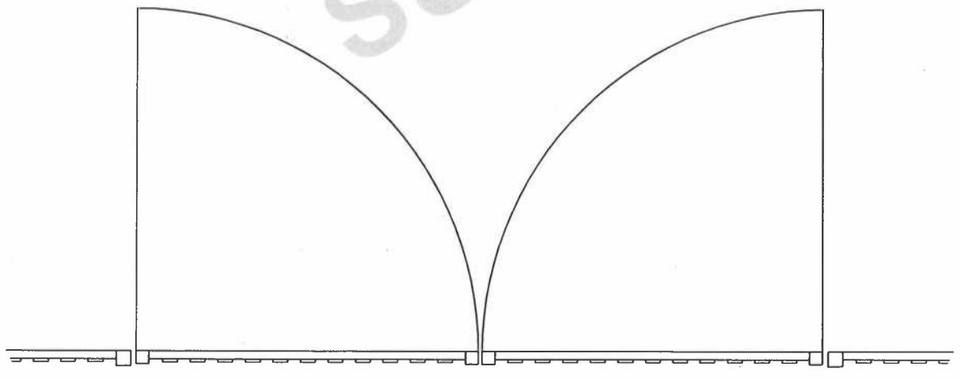
7/31/2024 12:26:28 PM Autodesk Docs://7767 GWS TRAINING FACILITY/7767 GWSAFWV TRF BLD.rvt

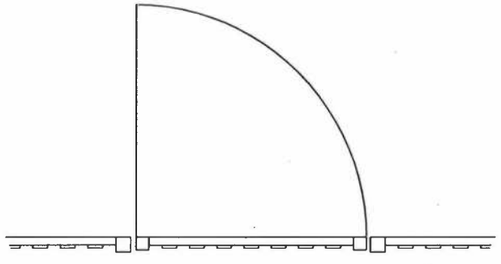




DOUBLE GATE - MG01



SINGLE GATE - G01



PLAN VIEW - MG01 & G01

NOTES:

POSTS:

- 65mm x 1.6mm SHS Galvabond x 1500mm long (typical)
- 200mm dia x 450mm deep footing
- 50-100mm gap under panel. Maximum 150mm gap on sloped ground

PANEL:

- 40mm SHS rail
- 75x16 RHS Pickets face welded to rails @ 140mm Crs(65mm gap)
- Half Moon picket top
- Pearl white powder coat paint finish

GATE POSTS:

- 75mm x 2.5mm SHS
- 250mm dia x 450mm deep footing

GATE:

- 65mm SHS stiles
- Infill to match fence panel
- Roller bearing hinge (Top/Bott)
- Pearl white powder coat paint finish

HARDWARE:

Gate Type G:
- 'D' type gate latch

Gate Type MG1:
- ~~Pad lockable drop bolt to each leaf~~
- Pad lockable flag type latch

NSW GOVERNMENT | SydneyOlympicPark

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CLIENT:
SYDNEY UNIVERSITY CRICKET CLUB
UNIVERSITY OF SYDNEY
NSW, 2006
PH:

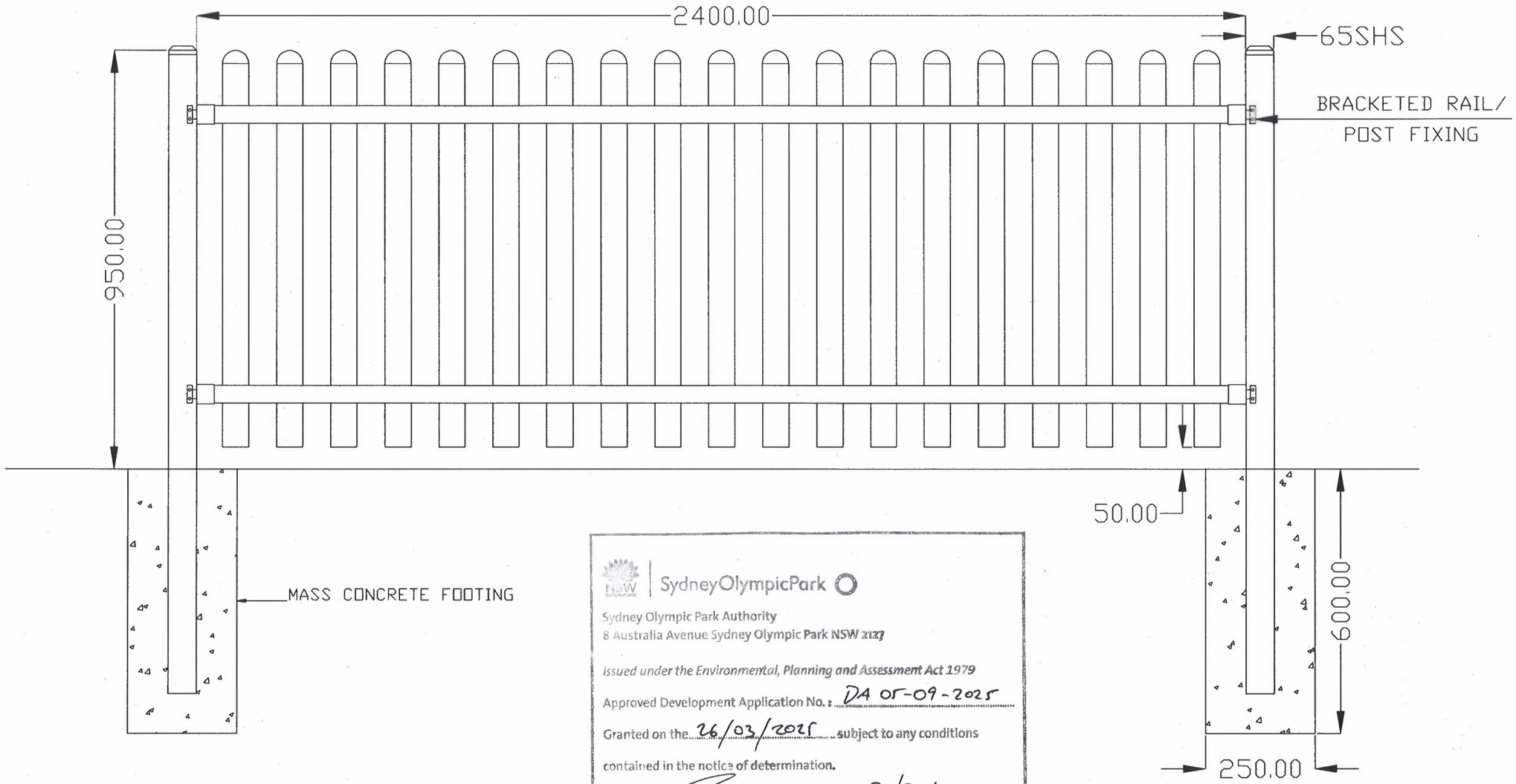
PROJECT:
OVAL 1 CRICKET FIELD FENCING & GATES

CRICKET FIELD FENCE

DWG No: 1821007.30
REV: 00
SCALE - 1:30
DRAWN: JAH
DATE: 12/09/2022

SUMMIT FENCING

92 OLD BATHURST RD
EMU PLAINS NSW 2750
Ph: 1300 915 912
www.summitfencing.com.au



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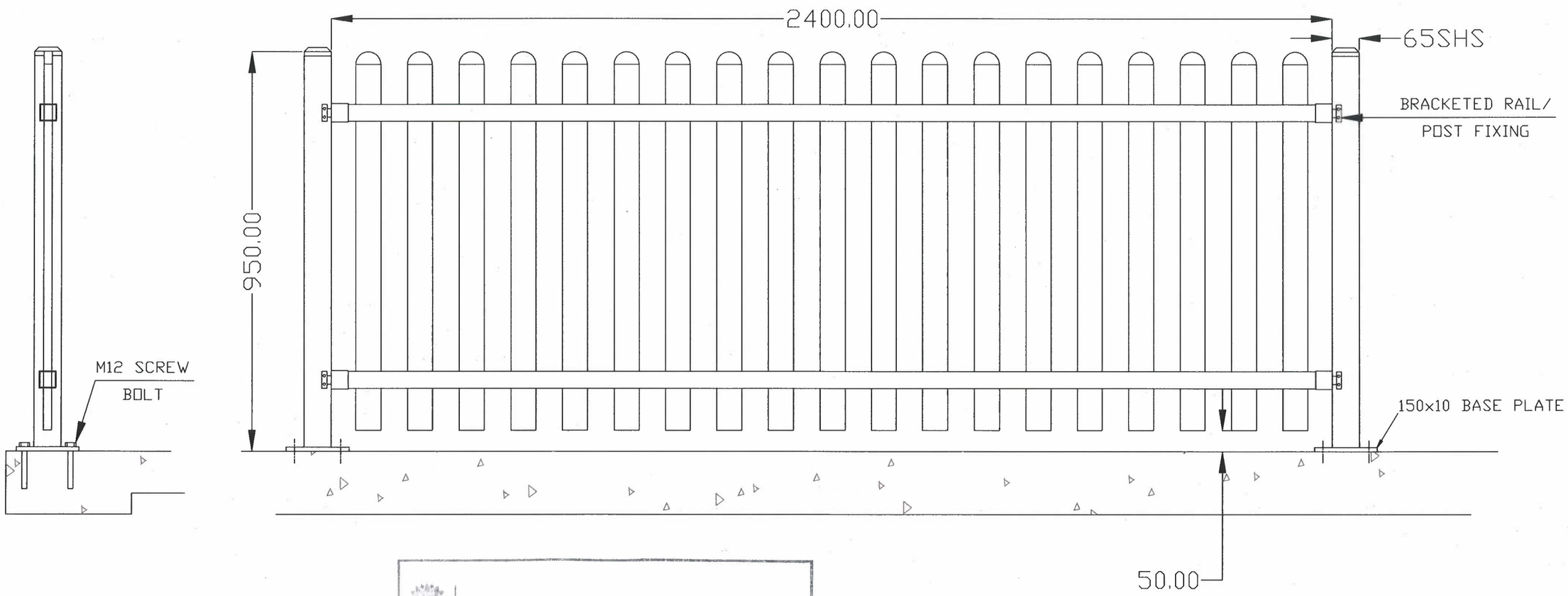
SUMMIT FENCING

POT2490 - POST & FOOTING

SCALE: 1:10



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SUMMIT FENCING

POT2490 - POST WITH BASE PLATE

SCALE: 1:10