LEGEND

L1 — L1: 9m HIGH TAPERED GALVANISED POLE C/W SUNNY AUSTRALIA LIGHTING SAL OCS504 ONA 75 50W FITTING C/W 15-DEG TILT.

L2 — L2: 9m HIGH TAPERED GALVANISED POLE C/W SUNNY AUSTRALIA LIGHTING SAL OCS504 ONA 75 2 x 50W FITTINGS EACH C/W 15-DEG TILT.

L3 — L3: SUNNY AUSTRALIA LIGHTING SAL OCS504 ONA 75 50W FITTING C/W 15-DEG TILT. MOUNT ON THE LEADING EDGE OF THE ACOUSTIC CANOPY APPROXIMATELY 3.5m HIGH.

L4 — L4: 9m HIGH TAPERED GALVANISED POLE C/W SUNNY AUSTRALIA LIGHTING SAL OCS504 ONA 75 50W FITTING C/W 15-DEG TILT.

32C: COMMUNICATIONS CONDUIT C/W DRAW WIRE INTERCONNECTING THE COMMUNICATIONS PIT AND LIGHT POLES.

32E: POWER CONDUIT C/W DRAW WIRE INTERCONNECTING THE POWER PIT AND LIGHT POLES.

80E: POWER CONDUIT C/W DRAW WIRE FROM THE POWER PIT TO A CAPPED AND MARKED POSITION FOR FUTURE USE.

LEGEND

MSB-A — MSB-A. EXISTING CLUB MAIN SWITCHBOARD. PROVIDE A NEW 40 AMP THREE PHASE MCB IN THE MSB REPLACING THE EXISTING SPARE MCB TO SUPPLY DB-C.

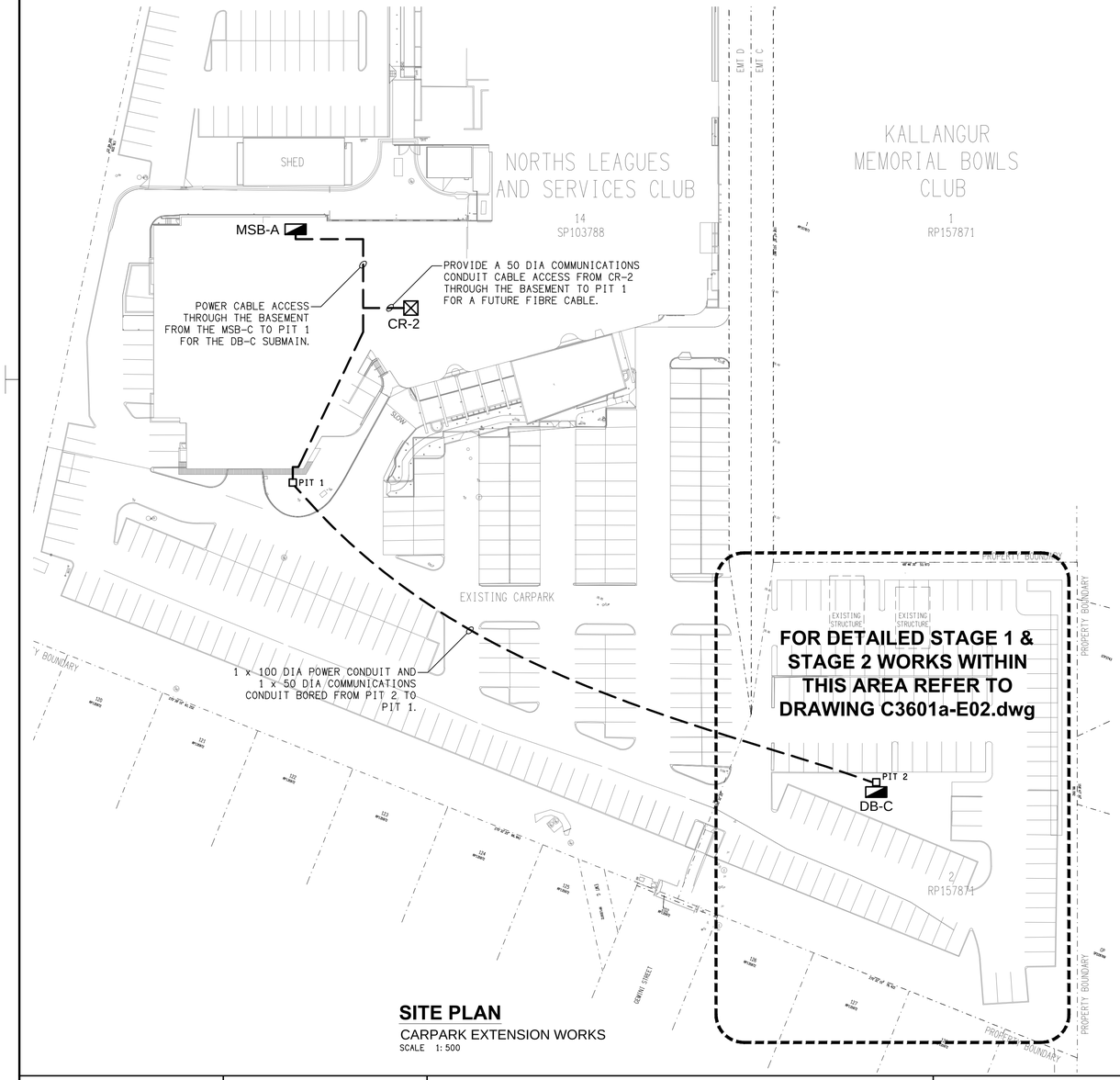
MSB-C — MSB-C. EXISTING CARPARK MAIN SWITCHBOARD TO BE RELOCATED AND USED TO SUPPLY DB-C DURING STAGE 1. MSB-C IS TO BE REMOVED DURING STAGE 2.

DB-C — DB-C. NEW CARPARK DISTRIBUTION BOARD TO BE PROVIDED AS PART OF STAGE 1. DURING STAGE 1, SUPPLY DB-C FROM MSB-C. DURING STAGE 2. REMOVE THE SUPPLY TO DB-C FROM MSB-C AND RESUPPLY DB-C FROM MSB-A VIA A NEW SUBMAIN.

CR-2 — CR-2. EXISTING GROUND LEVEL COMMUNICATIONS RACK TO REMAIN AS IS.

PIT 1 — PIT 1. PROVIDE PIT 1 AS A POWER TYPE 55 PLASTIC PIT C/W CLASS B GALVANIZED STEEL LID AND A COMMUNICATIONS TYPE 3 PLASTIC PIT C/W CLASS B GALVANIZED STEEL LID. PROVIDE THE PITS WITH A REINFORCED CONCRETE SURROUND AT LEAST 150 WIDE X 150 DEEP. CONNECT THE POWER CONDUITS INTO THE POWER PIT AND THE COMMUNICATIONS CONDUITS INTO THE COMMUNICATIONS PIT. PROVIDE A GRAVITY DRAIN AT LEAST 50MM IN DIAMETER OUT OF BOTH PITS.

PIT 2 — PIT 2. PROVIDE PIT 2 AS A POWER TYPE 55 PLASTIC PIT C/W CLASS B GALVANIZED STEEL LID AND A COMMUNICATIONS TYPE 3 PLASTIC PIT C/W CLASS B GALVANIZED STEEL LID. PROVIDE THE PITS WITH A REINFORCED CONCRETE SURROUND AT LEAST 150 WIDE X 150 DEEP. CONNECT THE POWER CONDUITS INTO THE POWER PIT AND THE COMMUNICATIONS CONDUITS INTO THE COMMUNICATIONS PIT.



SITE PLAN
CARPARK EXTENSION WORKS
SCALE 1: 500

NOTES

1. EXTENT OF WORKS

THE ELECTRICAL SERVICES SUB-CONTRACT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
- SUPPLY AND INSTALLATION OF ALL COMPONENTS FORMING PART OF THE ELECTRICAL SERVICES.
- CO-ORDINATION.
- INSPECTIONS.
- TESTING AND COMMISSIONING.
- MAINTENANCE.
- CABLING, CABLE SUPPORT SYSTEMS AND ACCESS.
- POWER DISTRIBUTION.
- LIGHTING.
- COMMUNICATIONS CABLING.
- ALL MINOR COMPONENTS AND INCIDENTAL WORKS NOT SPECIFICALLY REFERRED TO, HOWEVER NECESSARY TO COMPLETE THE ELECTRICAL SERVICES INSTALLATION SUCH THAT IT IS HANDED OVER COMPLETE, OPERATIONAL AND FIT FOR THE INTENDED USE.

THE WORKS ARE TO BE STAGED.

PRIOR TO COMMENCING WORK CONSULT SITE MANAGEMENT FOR ANY HAZARDOUS MATERIAL AND OR ASBESTOS REGISTERS AS WELL AS UNDERTAKE A THOROUGH INSPECTION OF THE SITE TO IDENTIFY ANY POTENTIAL HAZARDOUS MATERIALS, ASBESTOS AND HEALTH OR SAFETY RISKS. ADVISE THE CONTRACTOR OF ANY POTENTIAL HAZARDOUS MATERIALS, ASBESTOS AND HEALTH OR SAFETY RISKS IF IDENTIFIED AND DO NOT COMMENCE WORK UNTIL AN APPROPRIATE MANAGEMENT PLAN HAS BEEN DEVELOPED AND AGREED TO BY ALL PARTIES.

SUPPLY ALL LABOUR, MATERIALS, EQUIPMENT, AND ALL OTHER ITEMS, WHETHER MENTIONED IN DETAIL OR NOT, REQUIRED FOR THE SATISFACTORY COMPLETION OF THE ELECTRICAL SERVICES INSTALLATION, LEAVING IN FULL WORKING ORDER TO THE SATISFACTION OF THE PROJECT MANAGER.

ACCEPT FULL RESPONSIBILITY FOR LIASING, ARRANGING AND CO-ORDINATION ALL WORKS THAT HAVE AN EFFECT ON OR WILL BE AFFECTED BY THE ELECTRICAL SERVICES.

REMOVE ALL OF THE EXISTING ELECTRICAL SERVICES THAT BECOME REDUNDANT DUE TO THE WORKS.

2. WORKMANSHIP

ENSURE THAT THE WORK IS PERFORMED BY THE HOLDER OF A CURRENT ELECTRICAL SUB CONTRACTOR LICENSE. ENSURE THE INSTALLATION AND ALL COMPONENTS, FIXTURES, FITTINGS, OUTLETS AND CABLES ARE SUPPLIED AND INSTALLED TO A HIGH STANDARD THROUGHOUT, AND INSTALLED IN A NEAT AND TRADESMAN LIKE MANNER, TO THE CURRENT INDUSTRY STANDARDS. ENSURE ALL MATERIALS AND COMPONENTS OF A SIMILAR TYPE ARE OF THE SAME MANUFACTURER AND INSTALLED IN A UNIFORM MANNER.

IT IS THE ELECTRICAL SUB CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE INSTALLATION IS FIT FOR PURPOSE AND IS PROVIDED AS A COMPLETE WORKING INSTALLATION. IT IS THE ELECTRICAL SUB CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL COMPONENTS, FITTINGS, FIXTURES, SYSTEMS, PROGRAMMING ETC IRRESPECTIVE OF THE LEVEL DETAILED IN THE DOCUMENTS SUCH THAT THE INSTALLATION IS PROVIDED AS A COMPLETE WORKING INSTALLATION.

CONCEAL ALL WIRING AND CONDUITS. EXPOSED CABLING OR CONDUITS ARE GENERALLY NOT ACCEPTABLE. IT IS NOTED THAT CHASING AND REINSTATEMENT WILL BE REQUIRED. ENSURE ALL COMPONENTS, EQUIPMENT AND MATERIALS SUPPLIED ARE NEW, UNUSED, DESIGNED AND SELECTED TO ENSURE SATISFACTORY OPERATION UNDER VARYING ATMOSPHERIC, CLIMATIC, HUMID TROPICAL CONDITIONS WITHOUT DISTORTION AND DETERIORATION IN ANY PART AFFECTING EFFICIENCY AND RELIABILITY OF THE SYSTEMS. DESIGN AND SELECT ALL EQUIPMENT TO PROVIDE THE NECESSARY SAFETY TO HUMAN LIFE AND PROPERTY DURING OPERATION AND MAINTENANCE WITH PARTICULAR ATTENTION GIVEN TO ELECTRICAL SAFETY AND SEGREGATION PRECAUTIONS.

CHECK THE FINISHED PAINTWORK AROUND THE AREA OF EACH INSTALLATION AND TOUCH UP ALL DAMAGED PARTS AND FINISHES AFTER THE INSTALLATION OF THE ELECTRICAL SERVICES.

ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE BUILDER'S PROGRAM. ENSURE ALL FINAL LOCATIONS OF OUTLETS AND FITTINGS ARE CO-ORDINATED ONSITE WITH THE ARCHITECT AND ALL OTHER SERVICES, TO THE APPROVAL OF THE PROJECT MANAGER. ALLOW TO CO-ORDINATE THE FINAL LOCATION OF ALL EQUIPMENT, FITTINGS, & OUTLETS, SUCH THAT THEY ARE INSTALLED IN ACCORDANCE WITH THE AS3000 RESTRICTED ZONES, AND ARE NOT COVERED INAPPROPRIATELY.

ENSURE THAT ALL METAL SURFACES ARE SUITABLY PROTECTED AGAINST CORROSION, AND THAT ALL PLASTIC MATERIALS ARE UV STABILISED.

PROVIDE ALL MATERIALS AS NEW, AND OF THE HIGHEST CLASS AVAILABLE FOR THEIR RESPECTIVE TYPES. ENSURE ALL ASPECTS OF THE WORK ARE OF A HIGH STANDARD THROUGHOUT, AND INSTALLED IN A NEAT AND TRADESMAN LIKE MANNER, TO THE CURRENT INDUSTRY STANDARDS.

3. STANDARDS

IRRESPECTIVE OF INFORMATION CONTAINED IN THE ELECTRICAL SERVICES DOCUMENTS OR IN INSTRUCTIONS, IT IS THE ELECTRICAL SUB CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL ELECTRICAL SERVICES WORKS ARE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FOLLOWING. REFER ANY DISCREPANCIES BETWEEN THE REQUIREMENTS OF THE FOLLOWING AND/OR THE ELECTRICAL SERVICES DOCUMENTS AND INSTRUCTIONS TO THE ARCHITECT FOR CLARIFICATION PRIOR TO THE PLACING OF ORDERS, FABRICATION OR INSTALLATION OF THE ITEMS/METHODS IN DISCREPANCY.
- NCC BUILDING CODE OF AUSTRALIA.
- ELECTRICITY ACT.
- ELECTRICAL SAFETY ACT.
- AS/NZS3000.
- AS3008.
- AS1670.
- WORKPLACE HEALTH AND SAFETY ACT.
- TELECOMMUNICATIONS ACT.
- ACMA REQUIREMENTS.

4. AUTHORITIES

ENSURE ALL OF THE ELECTRICAL SERVICES COMPLY WITH THE REQUIREMENTS OF ALL REGULATORY AUTHORITIES HAVING JURISDICTION OVER THE SITE INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
- ACMA.
- LOCAL COUNCIL.
- LOCAL SUPPLY AUTHORITY.
- STATE GOVERNMENT DEPARTMENT OF ENVIRONMENT AND HERITAGE.
- QLD GOVERNMENT, DIVISION OF WORKPLACE, HEALTH AND SAFETY.
- QLD FIRE AND RESCUE AUTHORITY.

5. CABLES

UNLESS OTHERWISE SPECIFIED, INSTALL AND TERMINATE CABLES IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS. DETERMINE THE FINAL ROUTES TO SUIT THE BUILDING STRUCTURE AND SITE CONDITIONS. UNLESS NOTED OTHERWISE, PROVIDE ALL 240 VOLT POWER AND LIGHTING WIRING AS 2.5mm² TWIN & EARTH STRANDED COPPER CONDUCTORS, PVC INSULATED 0.6/1kV V75 GRADE TO AS3174, PROTECTED BY A 20 AMP CIRCUIT BREAKER. ALL CONDUIT AND FITTINGS TO BE RIGID UPVC TO AS2053, UNLESS NOTED OTHERWISE.

NOTES

6. POWER DISTRIBUTION

THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES THE UPGRADING OF THE EXISTING DISTRIBUTION BOARD DB-C TO ACCOMMODATE THE NEW SUBMAIN TO SUPPLY DB-L. ALL OF THE EXISTING DB-C CIRCUITS THAT BECOME REDUNDANT ARE TO BE REMOVED AND THE LABELLING UPDATED. THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:
- POWER DISTRIBUTION.
- EARTHING.
- REMOVAL OF EXISTING REDUNDANT CIRCUITS.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- TESTING AND COMMISSIONING.

ENSURE THAT POWER IS MAINTAINED TO THE CLUB ALL TIMES THE CLUB IS OPEN. ANY INTERRUPTIONS TO THE POWER SUPPLY MUST BE LIMITED TO LESS THAN ONE HOUR WHEN THE CLUB IS CLOSED AND THE CLUB MUST BE PROVIDED WITH TWO WEEKS NOTICE PRIOR TO THE INTERRUPTION.

UNDERTAKE THE FOLLOWING AS STAGE 1:

- RELOCATE THE EXISTING MSB-C FROM THE BUILDING ONTO THE ADJACENT TIMBER PROPERTY POLE AND RELOCATE THE EARTH STAKE AS NECESSARY. REMOVE THE SUBMAIN FROM THE MSB-C THAT SUPPLIES THE BUILDING TO BE DEMOLISHED. REINSTATE THE SUBMAINS TO THE EXISTING BUILDINGS THAT WILL BE RETAINED DURING STAGE 1.
- PROVIDE PIT 1 AND PIT 2 INTERCONNECTED VIA A BORED POWER CONDUIT. CONNECT PIT 2 TO DB-C VIA 2 X 100 DIA POWER CONDUITS.
- PROVIDE POWER CABLE ACCESS FROM THE MSB-A TO PIT 1.
- PROVIDE DB-C.
- PROVIDE A 40AMP THREE PHASE SUPPLY FROM MSB-C TO DB-C.

UNDERTAKE THE FOLLOWING AS STAGE 2:

- ARRANGE FOR THE EXISTING ENERGEX SUPPLY TO MSB-C TO BE ABOLISHED AND THE METERS RECOVERED BY THE RETAILER.
- REMOVE THE SUBMAIN CONNECTING MSB-C TO DB-C.
- PROVIDE A NEW 4C+E 35MM² Cu SUBMAIN FROM THE MSB-A TO DB-C.
- REMOVE THE EXISTING MSB-C AND ALL ASSOCIATED COMPONENTS INCLUDING THE ENERGEX SUPPLY, TIMBER POLE AND OUTGOING CABLING.

PROVIDE DB-C AS FOLLOWS:
- MOUNTED ON A CUSTOM GALVANIZED STEEL FRAME C/W REINFORCED CONCRETE FOOTING ALL PROVIDED AS PART OF THE ELECTRICAL SUBCONTRACT WORKS.
- IP66 FORM 1.
- LIGHT GREY ENCLOSURE WHITE ESCUTCHEON.
- 3 POINT 92268 KEY LOCKABLE FLUSH HANDLES ON ALL DOORS.
- LIFT OFF HINGES ON ALL DOORS AND ESCUTCHEONS.
- 1/4 TURN LATCHES AND D HANDLES ON ALL ESCUTCHEONS.
- ALL SWITCHGEAR TO BE SCHNEIDER OR NHP/ TERASAKI.
- PROVIDE SHOP DRAWINGS FOR APPROVAL.
- 48 POLE 250 AMP THREE PHASE VERTICAL DIN STYLE CHASSIS.
- 100 AMP THREE PHASE LOAD BREAK NON AUTO MAIN SWITCH.
- ALL COMPONENTS ARE TO BE LABELLED WITH NON-STICK LABELS.
- PROVIDE TWO FULL WIDTH HORIZONTAL DIN RAILS.

PROVIDE A 20A RCBO PROTECTED 6mm CIRCUIT TO SUPPLY ALL OF THE NEW CARPARK LIGHTS. CONTROL THE CIRCUIT VIA AN ADJUSTABLE PE CELL TO TURN THE LIGHTS ON 30-MINUTES PRIOR TO DUSK AND OFF AT DAWN.

7. LIGHTING

ALL OF THE LIGHT FITTINGS, LAMPS AND ACCESSORIES ARE TO BE PROVIDED AS PART OF THIS CONTRACT. THE LIGHTING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:
- LIGHTING.
- LIGHT FITTINGS AND ACCESSORIES.
- LAMPS.
- EARTHING OF THE LIGHTING INSTALLATION.
- LIGHTING CONTROL.
- LIGHTING SUBCIRCUITS.
- TESTING AND COMMISSIONING.

8. COMMUNICATIONS

REMOVE THE EXISTING NBN SERVICE FROM GEMINI STREET AND ALL ASSOCIATED COMPONENTS INCLUDING THE LEADIN CABLE AND NBN TERMINATION POINT.

PROVIDE PIT 1 AND PIT 2 INTERCONNECTED VIA A BORED COMMUNICATIONS CONDUIT. PROVIDE COMMUNICATIONS CABLE ACCESS FROM CR-2 TO PIT 1.

REV:	DESCRIPTION:	DATE:
B	TENDER	30/07/2025

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DRAWING:
ELECTRICAL SERVICES
LEGEND & SITE PLAN

SCALE: 1:500 AT A1

PROJECT NO:	DRAWING NO:	REVISION:
C3601a	E01	B