

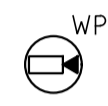
MONA VALE GOLF CLUB

3 GOLF AVE, MONA VALE NSW 2102



ISSUE	DATE	AMENDMENT	INT.	APP.
01	02.02.2022	PRELIMINARY ISSUE	NK	JM
02	25.02.2022	ISSUE FOR DA	NK	JM
03	31.03.2022	REISSUE FOR DA	SA	JM

CCTV SYMBOLS

WP
 NEW 4MP IK10/IP66 FIXED DAY/NIGHT COLOUR DOME NETWORK CAMERA WITH IR LEDs & MOTORISED 3.3-10mm LENS. SET HIGHEST IMAGE QUALITY, RESOLUTION TO 1920x1080 & VIDEO COMPRESSION TO H.264. CABLE TO THE COMMUNICATIONS RACK USING CAT 6 CABLE & PATCH TO NVR. PROVIDE SINGLE CAT 6 DATA OUTLET (CEILING ADJACENT EACH CAMERA).

MATV LEGEND

MATV
 PAY TV & FREE-TO-AIR TELEVISION OUTLET WITH TWO F-TYPE FEMALE SOCKETS. 'CLIPSAL' SATURN SERIES.

COMMUNICATIONS LEGEND




- ▼ SINGLE CAT6 RJ45 TELECOMMUNICATIONS OUTLET (SHUTTER TYPE), MOUNTED @ 300mm AFFL UNO. 'CLIPSAL' SATURN SERIES
- ▼ DOUBLE CAT6 RJ45 TELECOMMUNICATIONS OUTLET (SHUTTER TYPE), MOUNTED @ 300mm AFFL UNO. 'CLIPSAL' SATURN SERIES
- ▼ WAP DOUBLE CAT6 RJ45 TELECOMMUNICATIONS OUTLET (SHUTTER TYPE), MOUNTED WITHIN CEILING SPACE FOR WAP POINTS. 'CLIPSAL' SATURN SERIES
- C300 COMMUNICATION CABLE TRAY. MINIMUM WIDTH AS INDICATED

ABBREVIATIONS


- 1000 NOMINALLY 1000mm AFFL
- AB NOMINALLY 150mm ABOVE BENCH UNO
- AD AUTOMATIC DOOR (SINGLE GPD @ H/L)
- AFFL ABOVE FINISHED FLOOR LEVEL
- CL CLEANER OUTLET
- CU CONDENSER UNIT OUTLET - LOADS TO BE CONFIRMED DURING DETAILED DESIGN
- DW DISHWASHER (CO-ORDINATE FINAL LOCATION OF OUTLET WITH JOINERY)
- FE OUTLET FOR FIRE SERVICES EQUIPMENT. CONFIRM FINAL LOCATION WITH FIRE SERVICES.
- FR REFRIGERATOR (OUTLET @ 1800mm AFFL)
- FRZ FREEZER (OUTLET @ 1800mm AFFL)
- HD HAND DRYER
- HYD POWER PROVISION FOR HYDRAULIC EQUIPMENT
- H/L HIGH LEVEL
- J JOINERY
- KSF KITCHEN SUPPLY FAN
- L/L LOW LEVEL
- MSSB MECHANICAL SERVICES SWITCHBOARD
- OV OVEN (32A SWITCH MOUNTED 150mm AB)
- POS POINT OF SALES
- T TELEPHONE OUTLET
- TEF TOILET EXHAUST FAN
- TV TELEVISION OUTLET (CO-ORDINATE MOUNTING HEIGHTS WITH BUILDER) UNLESS NOTED OTHERWISE
- UNO UNLESS NOTED OTHERWISE
- WAP WIRELESS ACCESS POINT OUTLET (CM)
- WM WATER METER
- WP WEATHER PROTECTED (MINIMUM IP53 UNO)















POWER SYMBOLS

-  SINGLE SWITCHED SOCKET OUTLET (10A UNO). 'CLIPSAL' SATURN SERIES.
-  DOUBLE SWITCHED SOCKET OUTLET (10A UNO). MOUNT AT 300mm AFFL UNO. 'CLIPSAL' SATURN SERIES.
- 'X' PH PERMANENT CONNECTION, (20A UNO). X = No. OF PHASES
-  SINGLE PHASE PERMANENT CONNECTION VIA IP66 RATED LOCAL ISOLATOR (20A UNO). 'CLIPSAL' 'S6' SERIES.
- E300 ELECTRICAL CABLE TRAY. MINIMUM WIDTH AS INDICATED.





UNDERGROUND SERVICES LEGEND

-  HEAVY DUTY UPVC UNDERGROUND ELECTRICAL CONDUIT (SIZE AS SHOWN ON DRAWING)
- EP ELECTRICAL PILLAR BOX

POWER SCHEMATIC

-  SINGLE PHASE
-  THREE PHASE
-  CURRENT TRANSFORMER
-  RESIDUAL CURRENT DEVICES (RCBO) 'SCHNEIDER ELECTRIC' OR 'NHP'
-  ISOLATOR 'SCHNEIDER ELECTRIC' OR 'NHP'
-  MOULDED CASE OR MINIATURE CIRCUIT BREAKER 'SCHNEIDER ELECTRIC' OR 'NHP'
-  FUSE
-  EMERGENCY LIGHTING KIT 'SCHNEIDER ELECTRIC' OR 'NHP'
-  50kA SURGE DIVERTER
-  EARTH CONNECTION
-  SUPPLY AUTHORITY METER
-  POWER METER WITH RS485 MODBUS 'SCHNEIDER ELECTRIC' PM3250

SWITCHGEAR LEGEND

-  MSB- MAIN SWITCHBOARD
-  DB- DISTRIBUTION BOARD
-  SWITCHBOARD (BY OTHER SERVICES).
-  MECHANICAL SERVICES SWITCHBOARD

ELECTRICAL SERVICES DRAWING SCHEDULE	
DWG No.	DRAWING TITLE
22731-001-E-000	COVERSHEET & LEGEND
22731-001-E-002	SITE PLAN
22731-001-E-003	SPECIFICATION
22731-001-E-100	LOWER GROUND - LIGHTING LAYOUT
22731-001-E-200	LOWER GROUND - POWER LAYOUT
22731-001-E-300	FIRE HYDRANT TANKS & PUMPROOM - LIGHTING & POWER

CO-ORDINATED REFERENCE DRAWINGS		
SERVICE	DRAWING NUMBER	DATE
ARCH		
CIVIL		
ELEC		
MESH		
RCP		
STRUCT		

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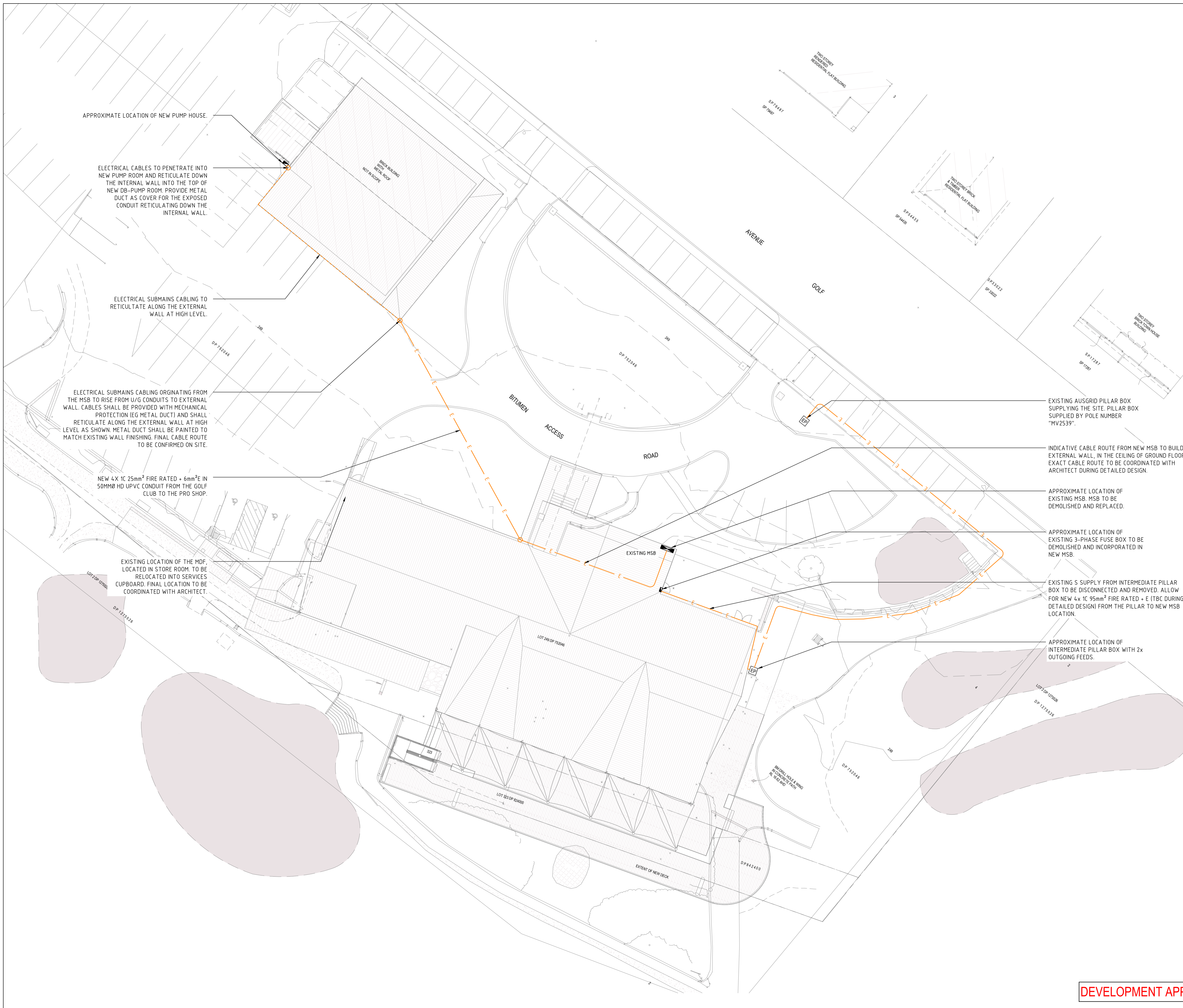
Drawing Title:

ELECTRICAL SERVICES
 COVER SHEET & LEGEND

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North Point:	Design: SA
	Design Validated: NN
	Amendment Approved: JM
	Drawn: SA
Date: MARCH 2022	Scale: NTS (A1)
Job No.: 22731-001 - E - 000 - P - 03	Disc: Dwg No.: Stage: Issue:

DEVELOPMENT APPLICATION



APPROXIMATE LOCATION OF NEW PUMP HOUSE.

ELECTRICAL CABLES TO PENETRATE INTO NEW PUMP ROOM AND RETICULATE DOWN THE INTERNAL WALL INTO THE TOP OF NEW DB-PUMP ROOM. PROVIDE METAL DUCT AS COVER FOR THE EXPOSED CONDUIT RETICULATING DOWN THE INTERNAL WALL.

ELECTRICAL SUBMAINS CABLING TO RETICULATE ALONG THE EXTERNAL WALL AT HIGH LEVEL.

ELECTRICAL SUBMAINS CABLING ORIGINATING FROM THE MSB TO RISE FROM U/G CONDUITS TO EXTERNAL WALL. CABLES SHALL BE PROVIDED WITH MECHANICAL PROTECTION (E.G. METAL DUCT) AND SHALL RETICULATE ALONG THE EXTERNAL WALL AT HIGH LEVEL AS SHOWN. METAL DUCT SHALL BE PAINTED TO MATCH EXISTING WALL FINISHING. FINAL CABLE ROUTE TO BE CONFIRMED ON SITE.

NEW 4 X 1C 25mm² FIRE RATED + E IN 50MM Ø HD UPVC CONDUIT FROM THE GOLF CLUB TO THE PRO SHOP.

EXISTING LOCATION OF THE MDF, LOCATED IN STORE ROOM. TO BE RELOCATED INTO SERVICES CUPBOARD. FINAL LOCATION TO BE COORDINATED WITH ARCHITECT.

EXISTING AUSGRID PILLAR BOX SUPPLYING THE SITE. PILLAR BOX SUPPLIED BY POLE NUMBER "MV2539".

INDICATIVE CABLE ROUTE FROM NEW MSB TO BUILDING EXTERNAL WALL, IN THE CEILING OF GROUND FLOOR. EXACT CABLE ROUTE TO BE COORDINATED WITH ARCHITECT DURING DETAILED DESIGN.

APPROXIMATE LOCATION OF EXISTING MSB. MSB TO BE DEMOLISHED AND REPLACED.

APPROXIMATE LOCATION OF EXISTING 3-PHASE FUSE BOX TO BE DEMOLISHED AND INCORPORATED IN NEW MSB.

EXISTING S SUPPLY FROM INTERMEDIATE PILLAR BOX TO BE DISCONNECTED AND REMOVED. ALLOW FOR NEW 4 x 1C 95mm² FIRE RATED + E (TBC DURING DETAILED DESIGN) FROM THE PILLAR TO NEW MSB LOCATION.

APPROXIMATE LOCATION OF INTERMEDIATE PILLAR BOX WITH 2x OUTGOING FEEDS.

ISSUE	DATE	AMENDMENT	INT.	APP.
01	02.02.2022	PRELIMINARY ISSUE	NK	JM
02	25.02.2022	ISSUE FOR DA	NK	JM
03	31.03.2022	REISSUE FOR DA	SA	JM

CO-ORDINATED REFERENCE DRAWINGS		
SERVICE	DRAWING NUMBER	DATE
ARCH	1053-A0010-Site Plan-7	7 28.03.2022
CIVIL		
ELEC		
MESH		
RCP		
STRUCT		

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Project:

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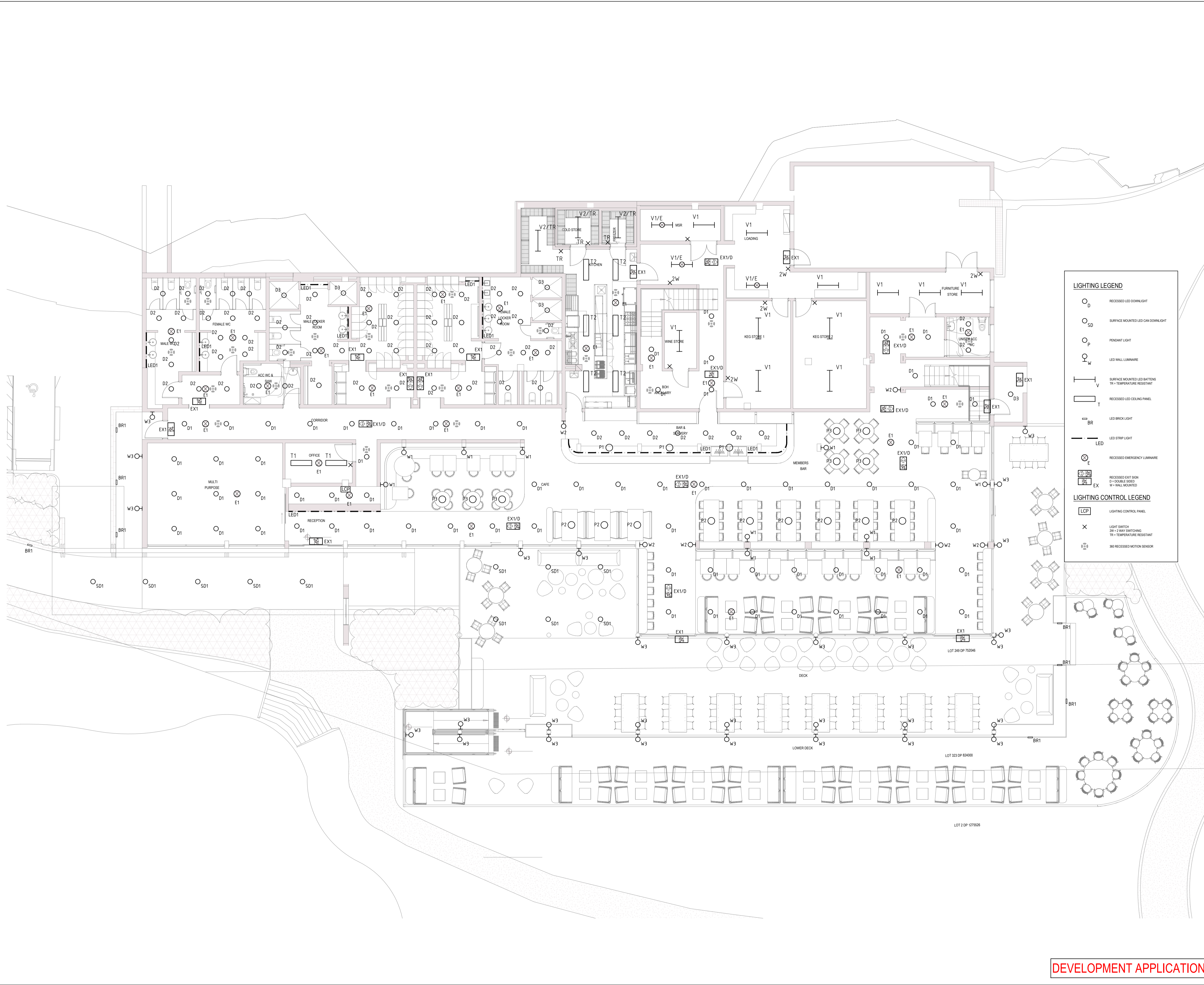
Drawing Title:

**ELECTRICAL SERVICES
SITE PLAN**

NOT FOR CONSTRUCTION

North Point:	Design:	SA
	Design Validated:	NN
	Amendment Approved:	JM
	Drawn:	SA
Date:	Scale:	1:200
MARCH 2022	(A1)	
Job No.:	Disc:	Stage:
22731-001 - E		
	Dwg No.:	Issue:
	002 - P	03

DEVELOPMENT APPLICATION



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01	02.02.2022	PRELIMINARY ISSUE	NK	JM
02	25.02.2022	ISSUE FOR DA	NK	JM
03	31.03.2022	REISSUE FOR DA	SA	JM

CO-ORDINATED REFERENCE DRAWINGS		
SERVICE	DRAWING NUMBER	DATE
ARCH	1053-A1000-Lower Ground Floor Plan - Proposed-10	10/24/03/2022
CIVIL		
ELEC		
MESH		
RCP		
STRUCT		

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ISO 9001
Quality Management

Project:

MONA VALE GOLF CLUB
3 GOLF AVE, MONA VALE
NSW 2102

Drawing Title:

ELECTRICAL SERVICES
LOWER GROUND
LIGHTING LAYOUT

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North Point:

Design: SA
Design Validated: NN
Amendment Approved: JM
Drawn: SA

Date: MARCH 2022
Scale: 1:100 (A1)

Job No.: 22731-001 - E - 100 - P - 03
Disc: Dwg No.: Stage: Issue:

DEVELOPMENT APPLICATION

ORIGINAL SET A3P

NOTES:

- 1. ELECTRICAL MAIN SWITCHROOM TO BE MINIMUM 4600mm x 1800mm (L x W) (TBC). CONTAINS NEW MSB AND RELOCATED SOLAR DB AND INVERTERS (3 OFF), 600mm CLEARANCE OF SWITCHBOARD DOORS IN ANY POSITION TO BE MAINTAINED IN ACCORDANCE WITH AS/NZS3000.

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01	02.02.2022	PRELIMINARY ISSUE	NK	JM
02	25.02.2022	ISSUE FOR DA	NK	JM
03	31.03.2022	REISSUE FOR DA	SA	JM

CO-ORDINATED REFERENCE DRAWINGS		
SERVICE	DRAWING NUMBER	DATE
ARCH	1053-A1000-Lower Ground Floor Plan - Proposed-10	10 24.03.2022
CIVIL		
ELEC		
MESH		
RCP		
STRUCT		

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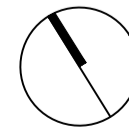
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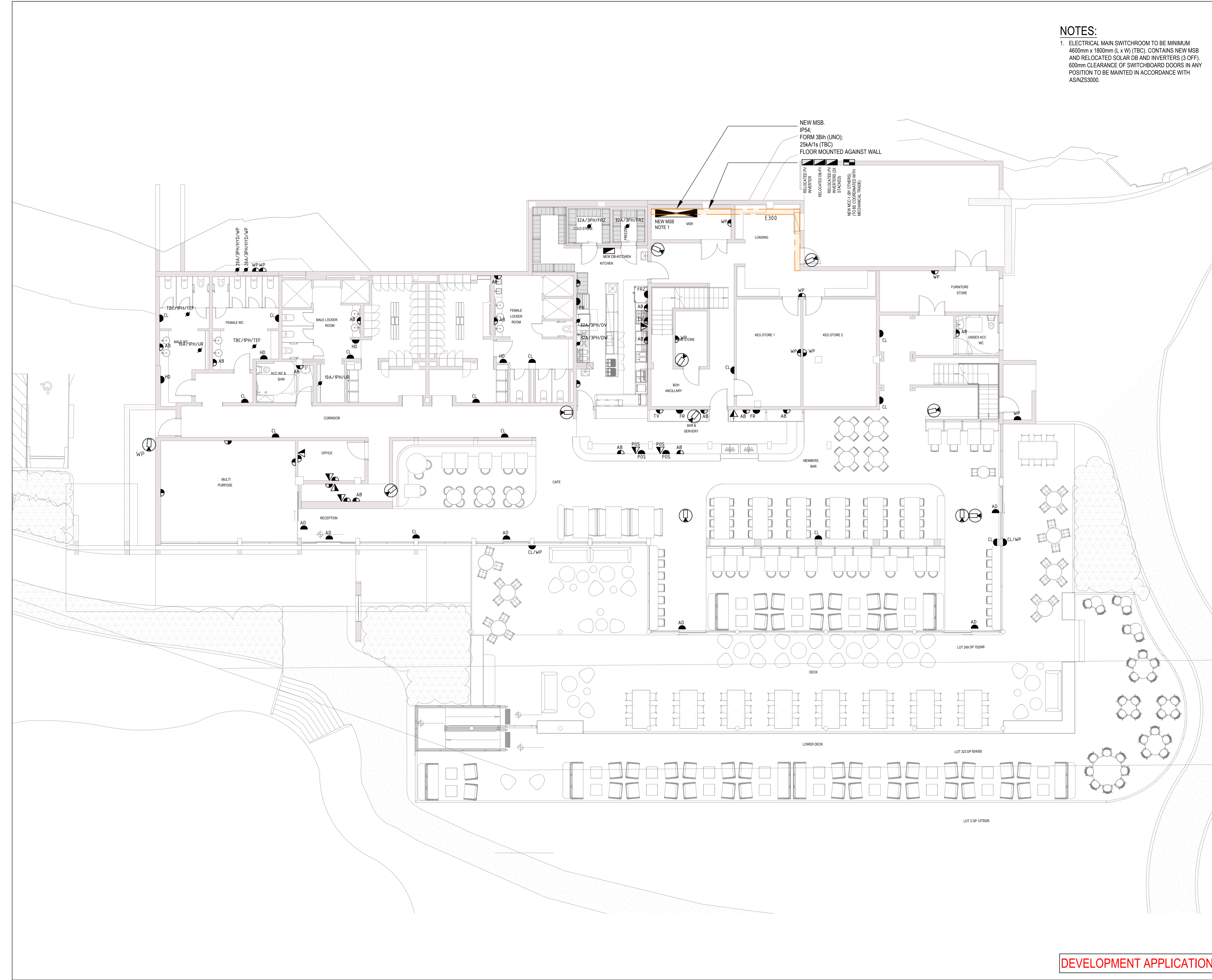
Drawing Title:

**ELECTRICAL SERVICES
LOWER GROUND
POWER LAYOUT**

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North Point: 	Design: JM Design Validated: NN Amendment Approved: JM Drawn: NK
Date: FEB 2022	Scale: 1:100 (A1)
Job No: 22731-001 - E - 200 - P - 03	Disc: Dwg No: Stage: Issue:

DEVELOPMENT APPLICATION



DRAWING SET - EP

ISSUE	DATE	AMENDMENT	INT.	APP.
01	31.03.2022	ISSUE FOR DA	SA	JM

CO-ORDINATED REFERENCE DRAWINGS			
SERVICE	DRAWING NUMBER	DATE	
ARCH	1053-A1020-Pumproom and Tank-1	01	28.03.2022
CIVIL			
ELEC			
MESH			
RCP			
STRUCT			

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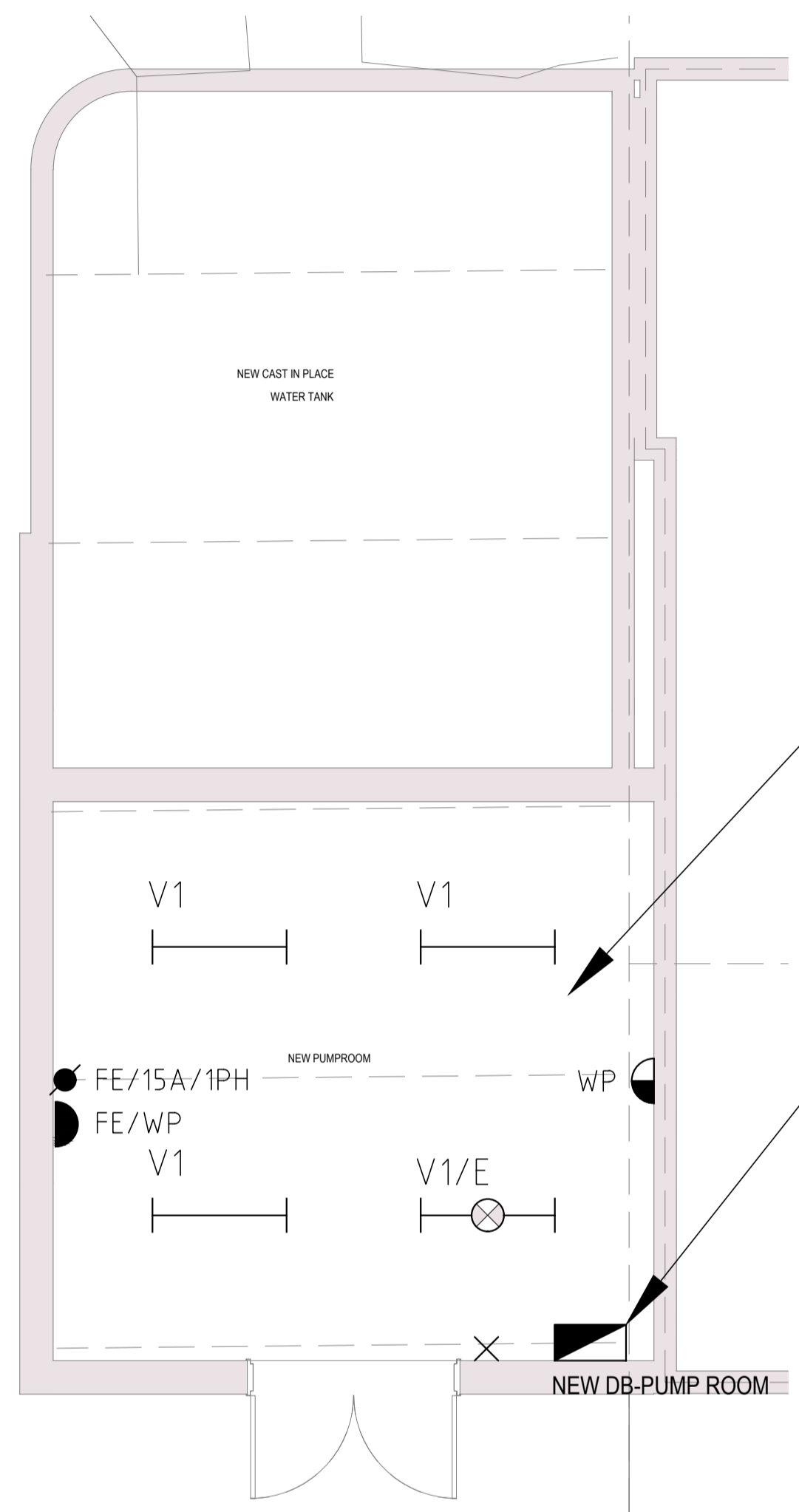
**ELECTRICAL SERVICES
FIRE HYDRANT TANKS
& PUMPROOM**

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North Point:	Design: SA
	Design Validated: NN
	Amendment Approved: JM
	Drawn: SA
Date: MARCH 2022	Scale: 1:50 (A1)

Job No: 22731-001 - E - 200 - P - 01

Disc: Dwg No: Stage: Issue:



GENERAL LIGHTING AND POWER FOR NEW PUMP HOUSE TO BE SUPPLIED BY PRO SHOP DB. TO BE COORDINATED DURING DETAILED DESIGN.

NEW DB-PUMP ROOM. FED FROM ESSENTIAL SERVICES SECTION OF THE NEW MSB. IP54; 18 POLE; FORM 1 (UNO); FAULT RATING TBC; WALL MOUNTED.

FIRE HYDRANT TANKS AND PUMPROOM
SCALE: NTS

DEVELOPMENT APPLICATION