

DRAWING SCHEDULE

E-01	LEGEND AND NOTES	E-15	SCHEMATICS 1
E-02	SITE PLAN - AREA 1	E-16	SCHEMATICS 2
E-03	SITE PLAN - AREA 2	E-17	SCHEMATICS 3 AND COMMS RACK DETAIL
E-04	SITE PLAN - AREA 3	E-18	POWER BOX DETAIL AND LIGHTING POLE FOOTING DETAIL
E-05	SITE PLAN - AREA 4		
E-06	SITE PLAN - AREA 5		
E-07	SITE PLAN - AREA 6		
E-08	SITE PLAN - AREA 7		
E-09	SITE PLAN - AREA 8		
E-10	GROUND FLOOR POWER AND COMMS LAYOUT		
E-11	UPPER FLOOR POWER AND COMMS LAYOUT		
E-12	GROUND FLOOR LIGHTING LAYOUT		
E-13	UPPER FLOOR LIGHTING LAYOUT		
E-14	ROOF LEVEL		

SHIRLEY STRICKLAND RESERVE
ELECTRICAL SERVICES LEGEND

POWER AND COMMUNICATIONS

	SITE MAIN SWITCHBOARD
	DISTRIBUTION BOARD
	NON-ESSENTIAL 10A SOCKET OUTLET MOUNTED AT 500mm AFFL UOS
	NON-ESSENTIAL 10A DOUBLE SOCKET OUTLET MOUNTED AT 500mm AFFL UOS
	SINGLE PHASE ISOLATOR
	THREE PHASE ISOLATOR
	SUSPENDED SWITCHED SOCKET OUTLET
	ELECTRICAL CABLE PIT - ACO CABLEMATE TYPE 63 WITH LOCKABLE STEEL LID AND ELECTRICAL LABEL UOS
	CABLE PIT - COMMUNICATIONS ACO CABLEMATE TYPE 63 WITH LOCKABLE STEEL LID AND COMMUNICATIONS LABEL
	UNDERGROUND HD COMMUNICATIONS CONDUIT
	UNDERGROUND HD POWER CONDUIT
	INTERNAL CONDUIT
	CAT 6 COMMS OUTLET MOUNTED AT 500mm AFFL × DENOTES NUMBER OF
	MATV OUTLET - COMBINED FTA AND PAY TV 2 GANG OUTLET
	ANTENNA
	COMMUNICATIONS RACK × DENOTE #RU
	MAIN DISTRIBUTION FRAME
	WESTERN POWER PILLAR CONNECTION
	HDMI OUTLET LINK FOR PROJECTOR PROVIDE A HIGH SPEED CONNECTION CABLE WITH ACTIVE HDMI REPEATER
	POWER BOX. PROVIDE ON IP56 RATED ENCLSURE TO HOUSE 3x DOUBLE GPO's AND 1 x 3 PHASE 20A OUTLET. REFER TO DETAILS
	NETWORK TERMINATION DEVICE

SECURITY SERVICES

	DOOR CONTACT (REED SWITCH)
	KEYPAD
	DURESS BUTTON
	PASSIVE INFRARED DETECTOR
	PIEZO SCREAMER
	SECURITY AND ACCESS CONTROL PANELS
	DURESS ALARM INDICATOR LIGHT WITH SOUNDER SEDCO KIT 2
	CARD READER WITH KEYPAD ROSSLARE goPROX AYC-Q60
	CCTV CAMERA 8MP DS-2CD2385 FWD-1 "WM" DENOTES WALL MOUNT AT 2400mm AFFL.
	1x80P P=POWER C=COMMS (S) SPARE WITH DRAW WIRE SIZE OF CONDUITS NUMBER OF CONDUITS CARD READER

LIGHTING

	SINGLE POLE LIGHT SWITCH MOUNTED AT 1000 AFFL UOS
	SINGLE POLE TWO WAY LIGHT SWITCH MOUNTED AT 1000 AFFL UOS
	MOTION SENSOR TO OPERATE FOR 20 MINUTES
	LIGHTING CONTROL PANEL MOUNTED AT 1000 AFFL UOS
	PHOTO ELECTRIC CELL
	INDICATES LUMINAIRES SWITCHED FROM SWITCH PANEL SP1
	LIGHTING SWITCH WIRE
	41W LED PLASTER RECESSED LUMINAIRE PIERLITE SLENDER 4000K
	22W LED LUMINAIRE SURFACE MOUNTED PIERLITE BWP ECO LED 3000K
	8W DOWNLIGHT LED RECESSED LUMINAIRE ADL90.XTMSW.804.0.61 WHITE
	13.5W DOWNLIGHT LED RECESSED LUMINAIRE ADL110.XTM7W.804.0.63 WHITE
	RICHE RAIL 26 AVAILABLE FROM LIGHTING OPTIONS
	LED WALL WASHER LUMINAIRE ERCO COMPAR 86736.000 12W 3000K AVAILABLE FROM LIGHTING OPTIONS
	RECESSED LED DOWNLIGHT LUMINAIRE 15W 3000K APEX ADJUSTABLE 40° AVAILABLE FROM MONDOLUCE
	IN WALL LUMINAIRE 11W LED 3000K LIGMAN 2 BLACK LE-40722-A-01
	18m POLE MOUNTED FLOOD LIGHT AROUND RECTANGLE FIELD (x8). 6.3 DENOTES POLE 6 LIGHT 3 REFER TO SPEC ORIENTATION AEC GALILEO 3 2_0
	30m POLE MOUNTED FLOOD LIGHT AROUND AFL FIELD (x4) 11.44 DENOTES POLE 11 LIGHT 44 REFER TO SPEC ORIENTATION AEC GALILEO 0 06 ASP-6W 4-10
	7m ARCHITECTURAL COLUMN POWER STATION MOUNTED ON CONCRETE FOUNDATIONS VALEN ENERGY POLE TO BE MOUNTED 500mm OFF THE PATH EVERY 100m STARTING AT 0m ENDING AT 1100m ONE SIDE PANEL SHALL BE ETCHED IN WHITE THE 100m MARKER. TYPICALLY EVERY 2nd LIGHT POLE. REFER TO THE LANDSCAPING DRAWING AL9.04 FOR MORE DETAIL. APS-M60-AB-2LP-XX-FN-BKA-MB + WE-EF VFL530 LED
	WALL MOUNTED LED LUMINAIRE UNIOS KOBALT 14W 3000K KOBAA0014.TB30.F AVAILABLE FROM MONDOLUCE
	LED STRIP LIGHT INSTALLED WITHIN THE BEAM RECESS, UNIOS AEON FLEX MINI 3000K WITH REMOTE GEAR LOCATED IN THE CEILING
	WALL MOUNTED LED LUMINAIRE UNIOS ZERON MINI 14W 3000K ZMF20014.TB30.M AVAILABLE FROM MONDOLUCE
	39W POLE TOP LUMINAIRE AND 6 METER POLE LIGMAN MUSTANG 40 MS-90281-T4-W40- BLACK
	39W POLE TOP LUMINAIRE AND 6 METER POLE LIGMAN WITH TWIN LIGHTS MUSTANG 41 MS-90291-T4-W40- BLACK

EMERGENCY LIGHTING AND SCHEMATICS

	RECESSED NON-MAINTAINED EMERGENCY LUMINAIRE - STANILITE ECONOMY SPITFIRE
	EXIT SIGN (STRAIGHT ON) - STANILITE EDGELIT QUICKFIT PLQLED DS DENOTES DOUBLE SIDED IF REQUIRED
	EXIT SIGN (STRAIGHT ON) - STANILITE EDGELIT PROLED DS DENOTES DOUBLE SIDED IF REQUIRED
	EXIT SIGN (LEFT / RIGHT FROM HERE) - STANILITE EEDGELIT DS DENOTES DOUBLE SIDED IF REQUIRED
	NEW TRANSFORMER
	DISTRIBUTION BOARD
	NEW AUTHORITY CT METER
	THREE PHASE
	SINGLE PHASE
	CIRCUIT BREAKER
	LOAD BREAK
	EARTH
	RCD

VARIANTS

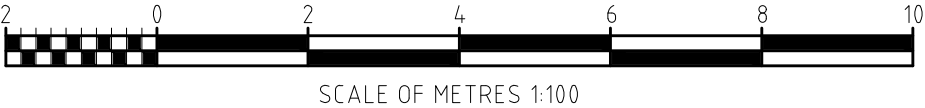
AB	- DENOTES OUTLET MOUNTED ABOVE BENCH
AFFL	- DENOTES ABOVE FINISHED FLOOR LEVEL
BWU/CWU	- DENOTES BOILING WATER UNIT/CHILLED WATER UNIT OUTLET
CFM	- DENOTES COFFEE MACHINE OUTLET
CL	- DENOTES CLEANERS OUTLET (RCD PROTECTED)
CM	- DENOTES CEILING MOUNTED
CS	- DENOTES MOUNTED WITHIN CEILING SPACE
C/W	- DENOTES COMPLETE WITH
DA	- DENOTES DURESS ALARM
DW	- DENOTES DISHWASHER OUTLET
EWB	- DENOTES ELECTRONIC WHITEBOARD OUTLETS (700 AFFL)
FCU	- DENOTES FAN COIL UNIT. CO-ORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR
FR	- DENOTES FRIDGE OUTLET
GW	- DENOTES GLASS WASHER
HD	- DENOTES HAND DRYER OUTLET NOTE: HARD WIRED
H/L	- DENOTES HIGH LEVEL
HP	- DENOTES HOTPLATE
HWU	- DENOTES HOT WATER UNIT
MB	- DENOTES MOTORISED BLINDS IN CEILING
ML	- DENOTES MOTORISED LOUVRE. CONFIRM EXACT LOCATION ON SITE.
MW	- DENOTES MICROWAVE OUTLET
OAF	- DENOTES OUTSIDE AIR FAN. CO-ORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR
OV	- DENOTES OVEN
PROJ	- DENOTES PROJECTOR OUTLET (MOUNTED ON CEILING)
PS	- DENOTES PROJECTOR SCREEN OUTLET (MOUNTED IN CEILING SPACE)
RH	- DENOTES AUTO GENERAL PURPOSE OUTLET AT 1800 AFFL FOR HIGH LEVEL RADIANT HEATER
SK	- DENOTES SKIRTING MOUNTED OUTLET
SS	- DENOTES STAINLESS STEEL OUTLET (CLIPSAL 'B-STYLE')
U	- DENOTES URINAL POWER IN CEILING
UB	- DENOTES OUTLET MOUNTED UNDER BENCH
UOS	- DENOTES UNLESS OTHERWISE STATED
WLAN	- DENOTES WIRELESS LAN OUTLETS
WP	- DENOTES WEATHERPROOF OUTLET

GENERAL NOTES

- CONTRACTOR TO CHECK ALL DIMENSIONS ON ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION.
- NOT ALL SYMBOLS OR VARIANTS ON THIS DRAWING MAY APPLY.
- LIAISE WITH MECHANICAL / HYDRAULIC CONTRACTOR PRIOR TO TENDER FOR EXACT LOCATION AND POWER REQUIREMENTS FOR THE MECHANICAL / HYDRAULIC EQUIPMENT. ALLOW FOR LOCAL ISOLATOR AND FINAL TERMINATIONS TO EQUIPMENT IN ACCORDANCE WITH EQUIPMENT SPECIFICATIONS.
- ALL WORKS SHALL BE UNDERTAKEN TO COMPLY WITH THE FOLLOWING:-
 - BUILDING CODE OF AUSTRALIA
 - SUPPLY AUTHORITY REGULATIONS
 - AS/NZS 3000
 - AS/NZS 2293
 - ALL RELEVANT AUSTRALIAN STANDARDS AND CODES.
- ALLOW FOR THE PROVISION OF CAD "AS BUILT" DOCUMENTATION AND MAINTENANCE OPERATION MANUALS. (REFER TO SPECIFICATION)
- SUPPLY AND INSTALL "TIME SWITCH" CONTROL OF BOILING/CHILLED WATER UNIT SUPPLIES. TIME SWITCH SHOULD ENABLE THE BOILING/CHILLED WATER UNIT TO BE "DAILY PROGRAMMABLE" FOR OFFICE HOURS USE AND DE-ACTIVATED FOR ALL AFTER HOURS PERIODS.
- REMOVE ALL EXISTING LIGHT POLES AND LIGHTS AS PART OF THE DEMOLITION GOT TO SITE DURING TENDER TO EVALUATE THE EXTENT OF WORKS.
- REFER TO THE ARCHITECTS DRAWINGS FOR DEMOLITION AND STAGING OF THE PROJECT.

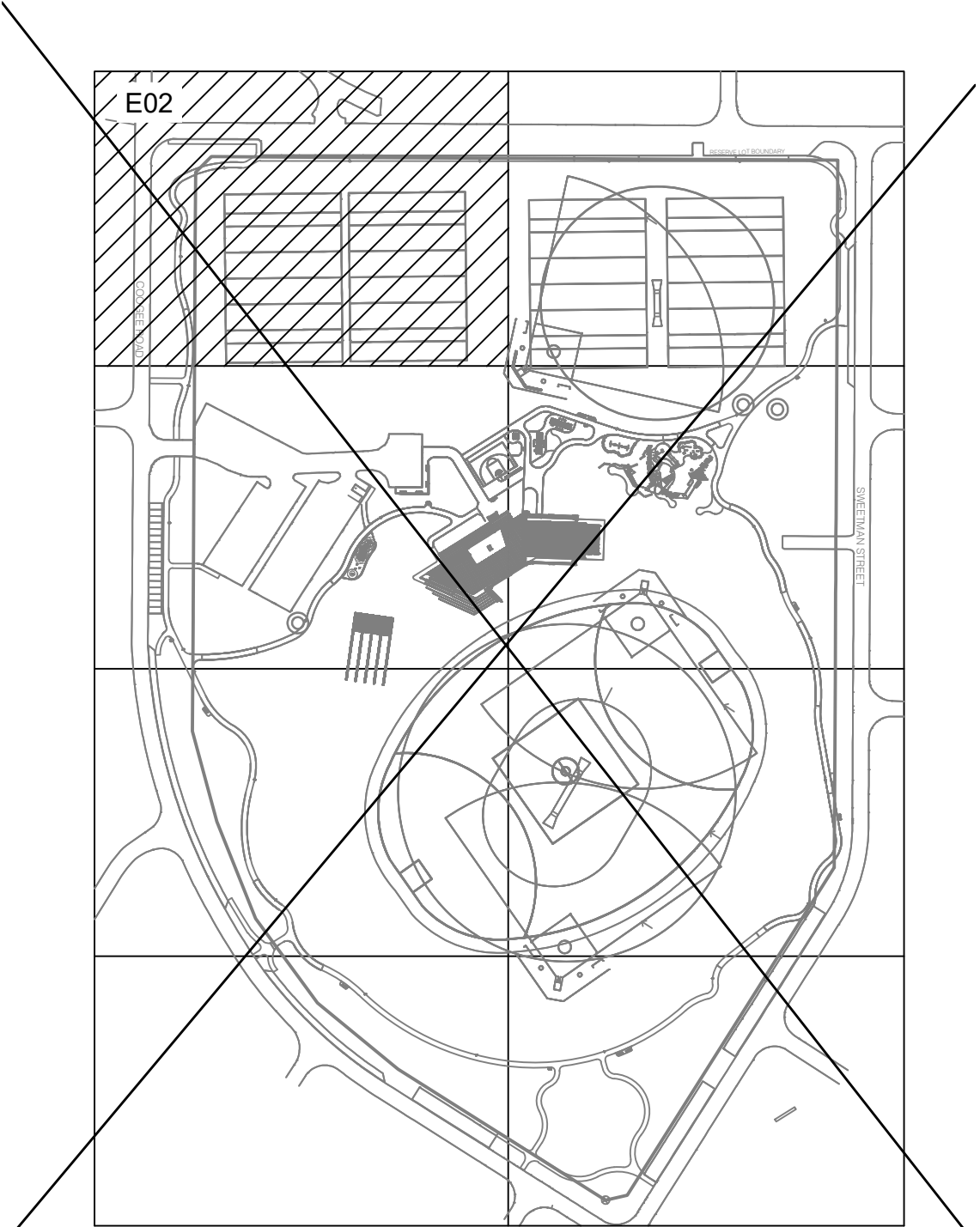
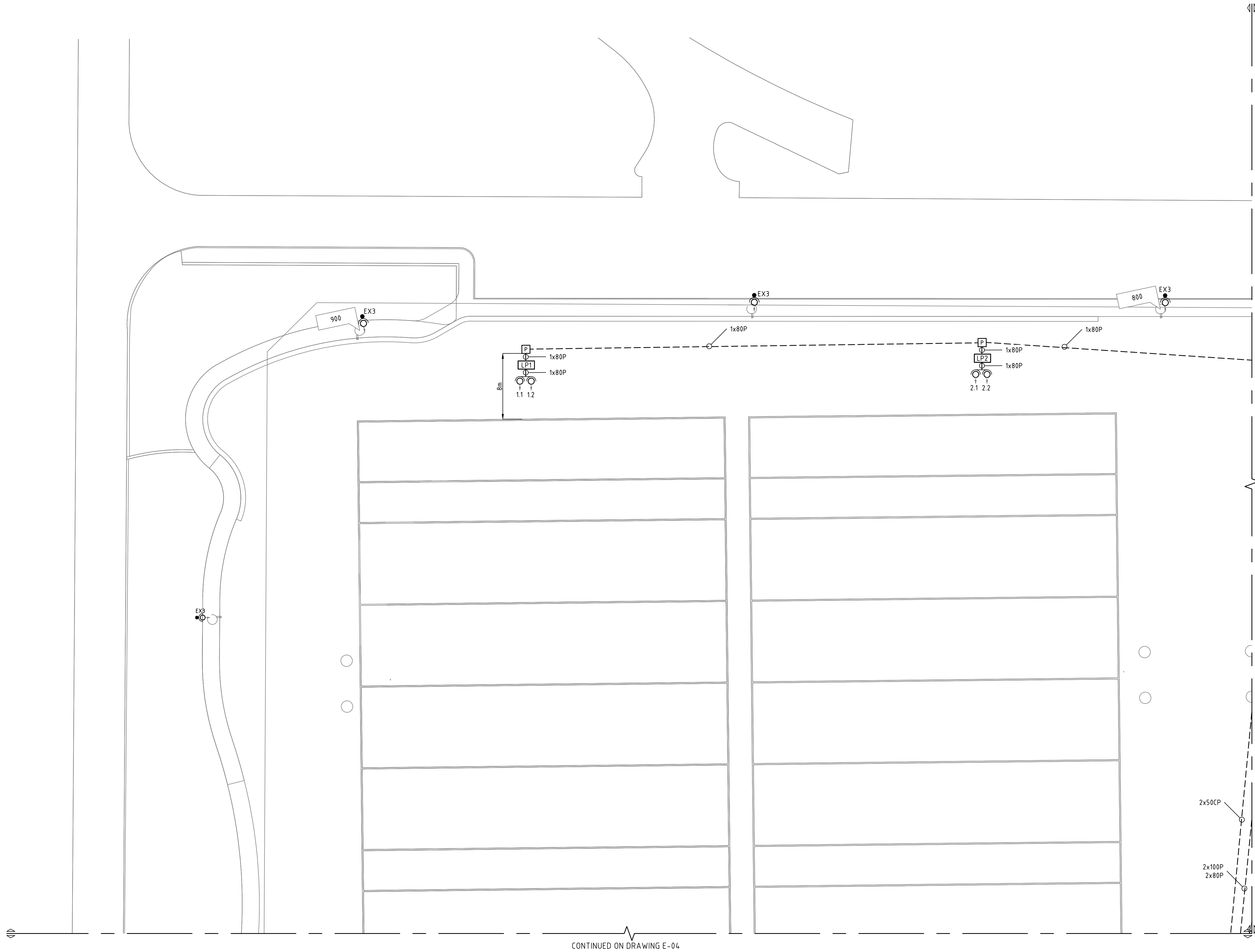
ISSUED FOR TENDER

H	ISSUED FOR TENDER	EF	MC	20.05.20
No	Revision	Drawn	Approved	Date



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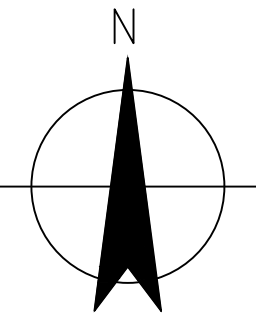
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Approved: MC		Project: SHIRLEY STRICKLAND RESERVE
Date: May 20		Title: ELECTRICAL SERVICES LEGEND AND NOTES
Scale: NOT TO SCALE	This Drawing must not be used for Construction unless signed as Approved	Original Size
A1 Drawing No:		E-01 - 18057
		Rev: H



SITE PLAN

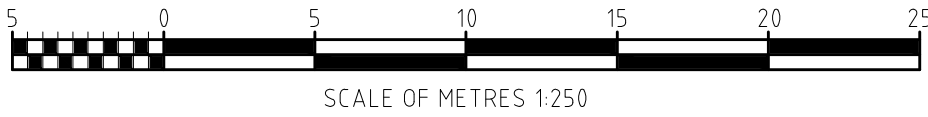
CONTINUED ON DRAWING E-03

CONTINUED ON DRAWING E-04



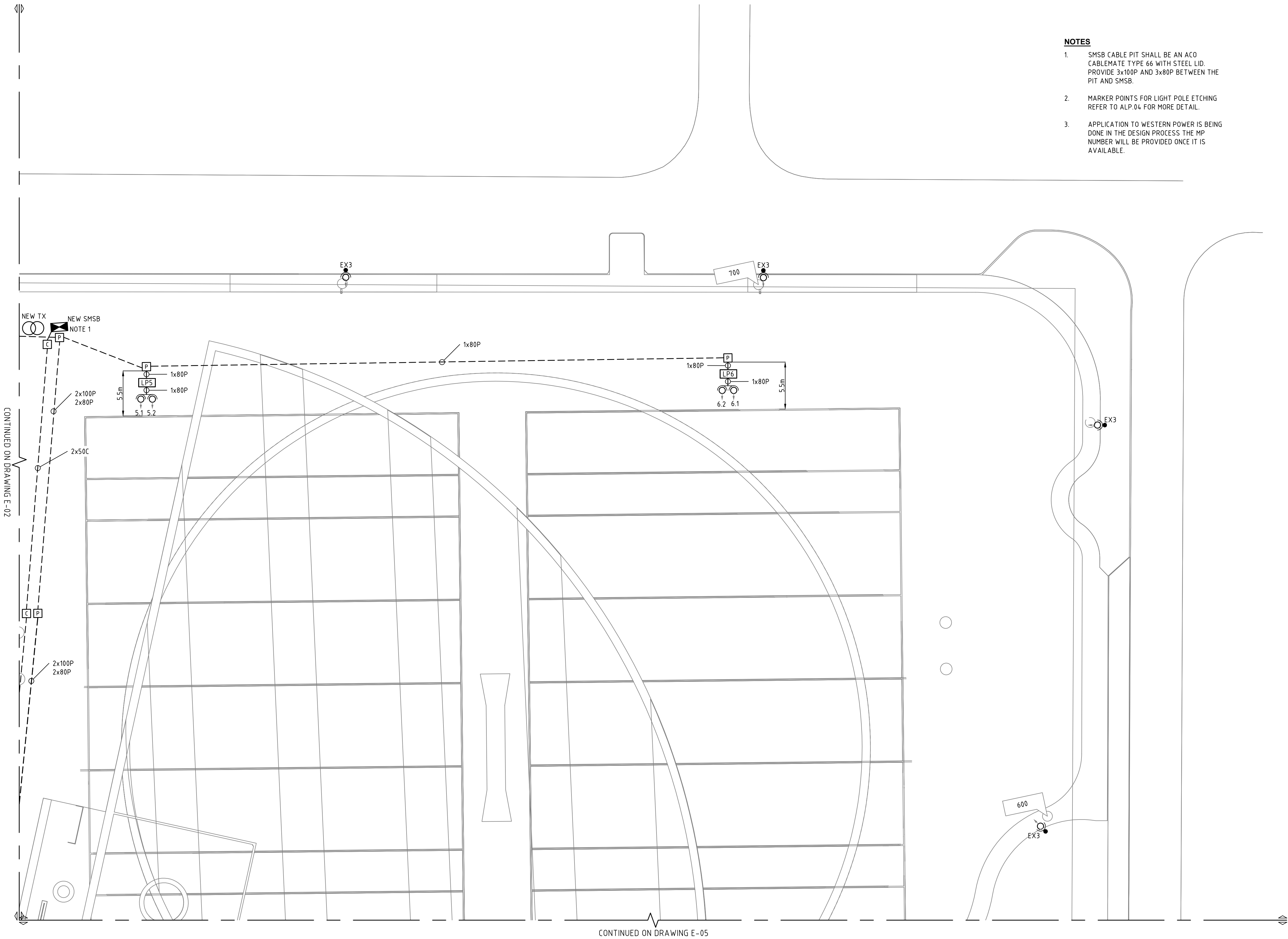
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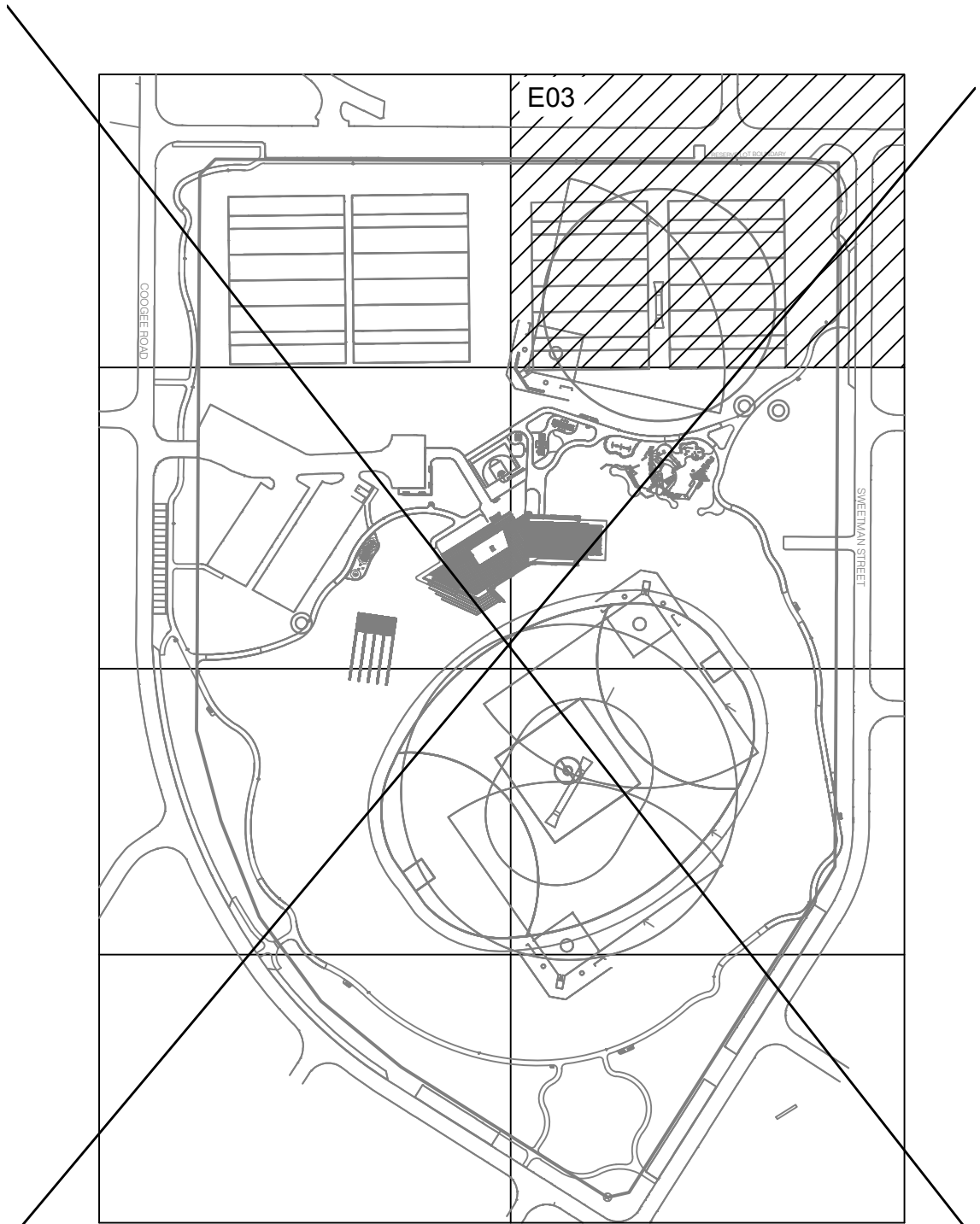


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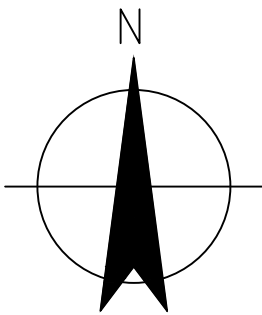
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Approved: MC		Project: SHIRLEY STRICKLAND RESERVE
Date: May 20		Title: ELECTRICAL SERVICES SITE PLAN SITE PLAN - AREA 1
Scale: 1 : 250		Original Size
This Drawing must not be used for Construction unless signed as Approved		A1 Drawing No: E-02 - 18057 Rev: H



- NOTES**
1. SMSB CABLE PIT SHALL BE AN ACO CABLEMATE TYPE 66 WITH STEEL LID. PROVIDE 3x100P AND 3x80P BETWEEN THE PIT AND SMSB.
 2. MARKER POINTS FOR LIGHT POLE ETCHING REFER TO ALP.04 FOR MORE DETAIL.
 3. APPLICATION TO WESTERN POWER IS BEING DONE IN THE DESIGN PROCESS THE MP NUMBER WILL BE PROVIDED ONCE IT IS AVAILABLE.

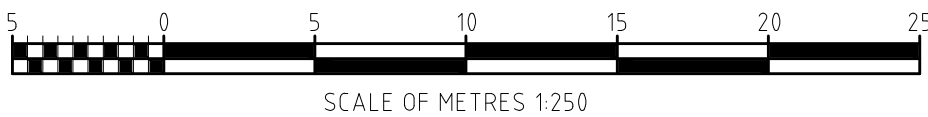


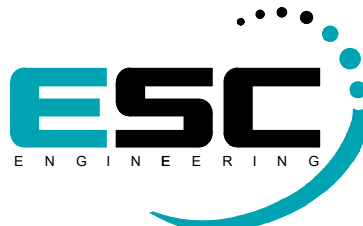
SITE PLAN



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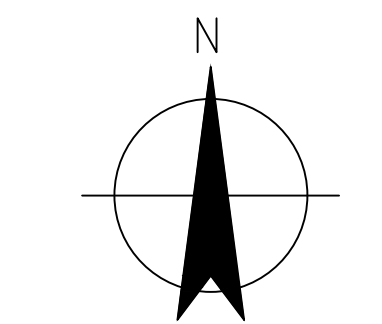
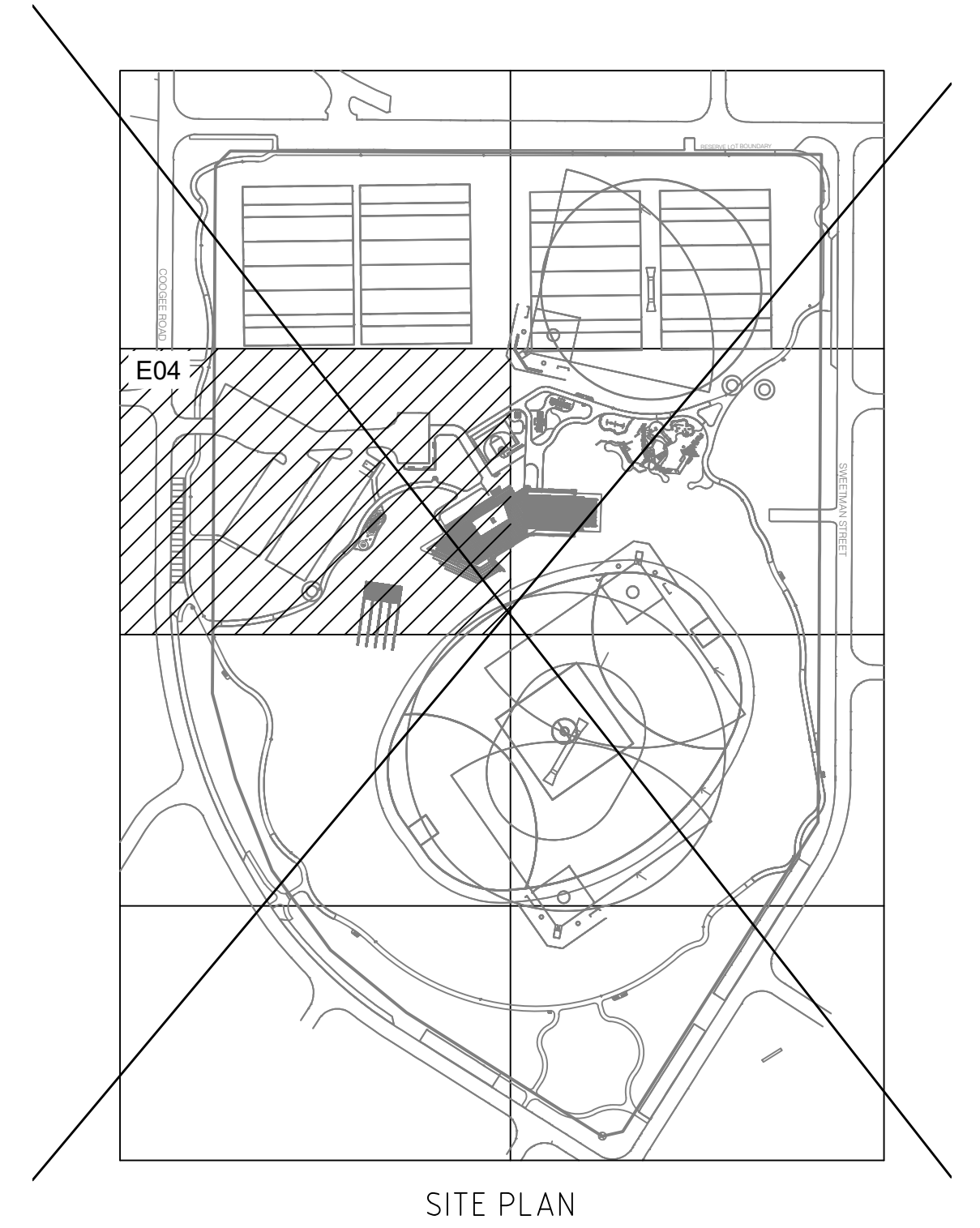
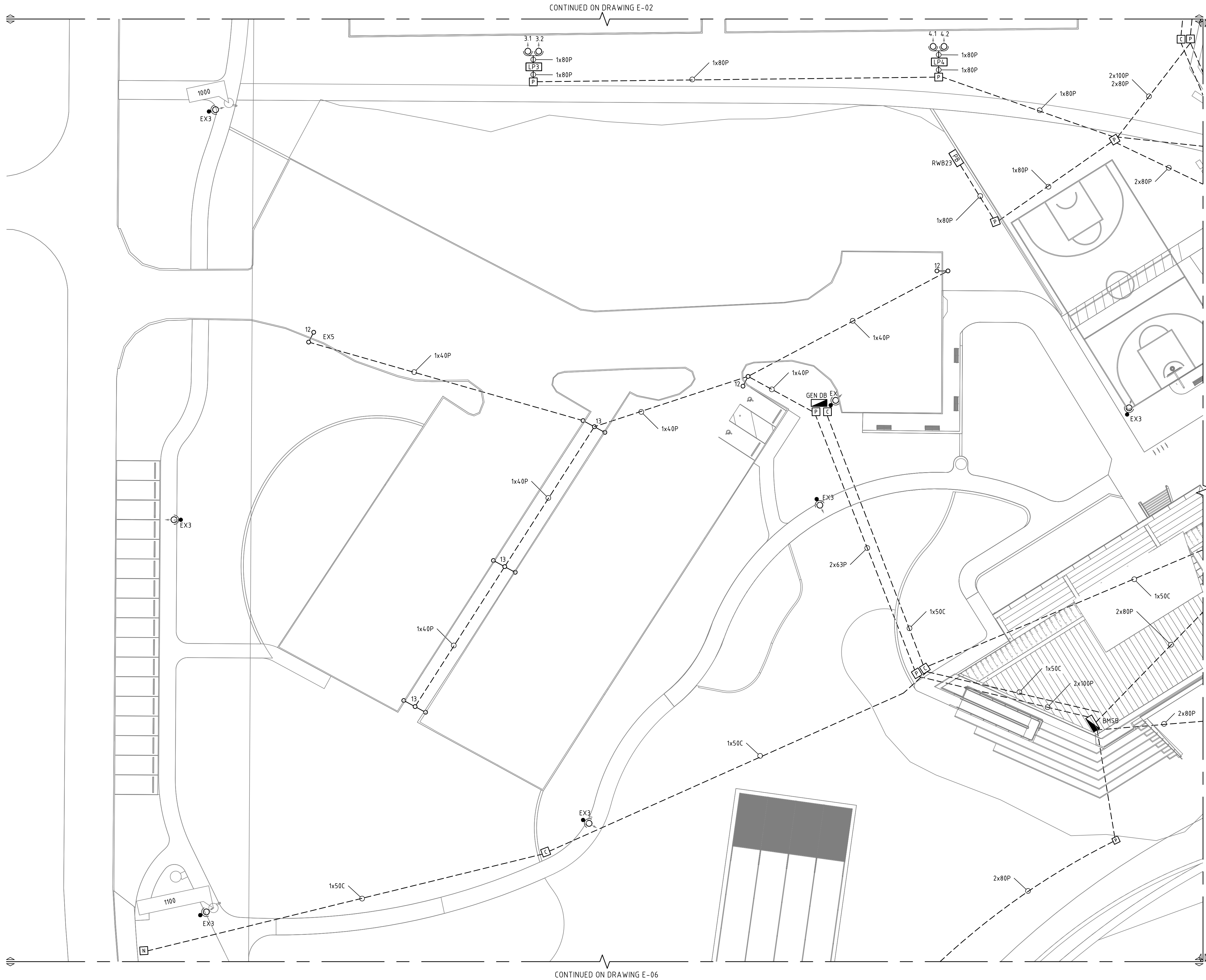




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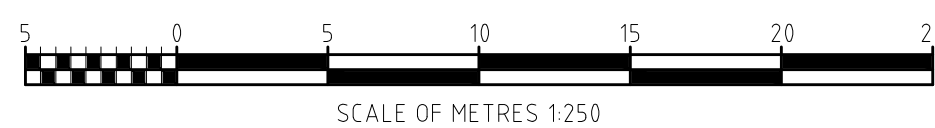


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Approved: MC		Project: SHIRLEY STRICKLAND RESERVE
Date: May 20		Title: ELECTRICAL SERVICES SITE PLAN - AREA 2
Scale: 1 : 250		Original Size
This Drawing must not be used for Construction unless signed as Approved		A1 Drawing No: E-03 - 18057 Rev: H



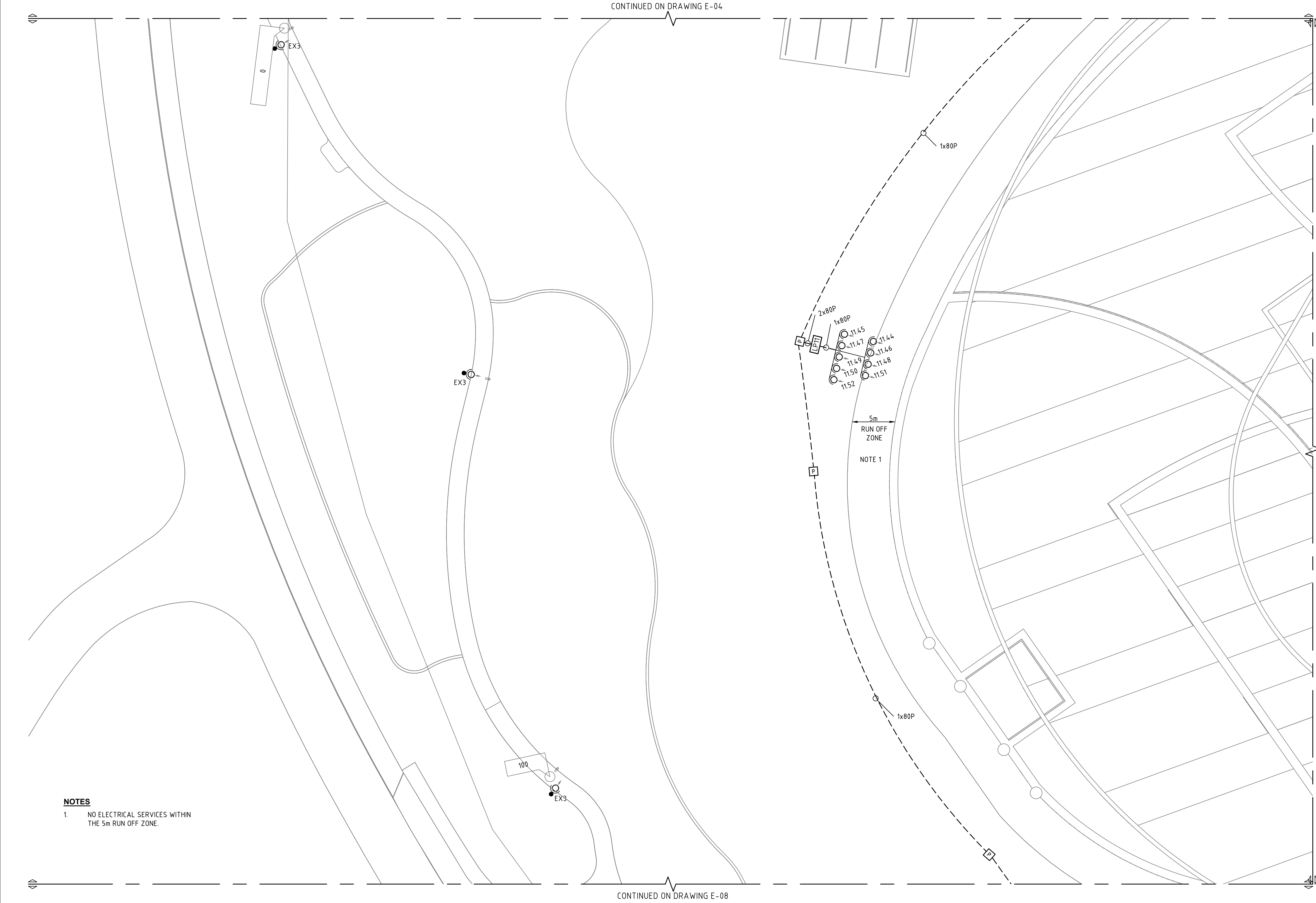
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No	Revision	Drawn	Approved	Date



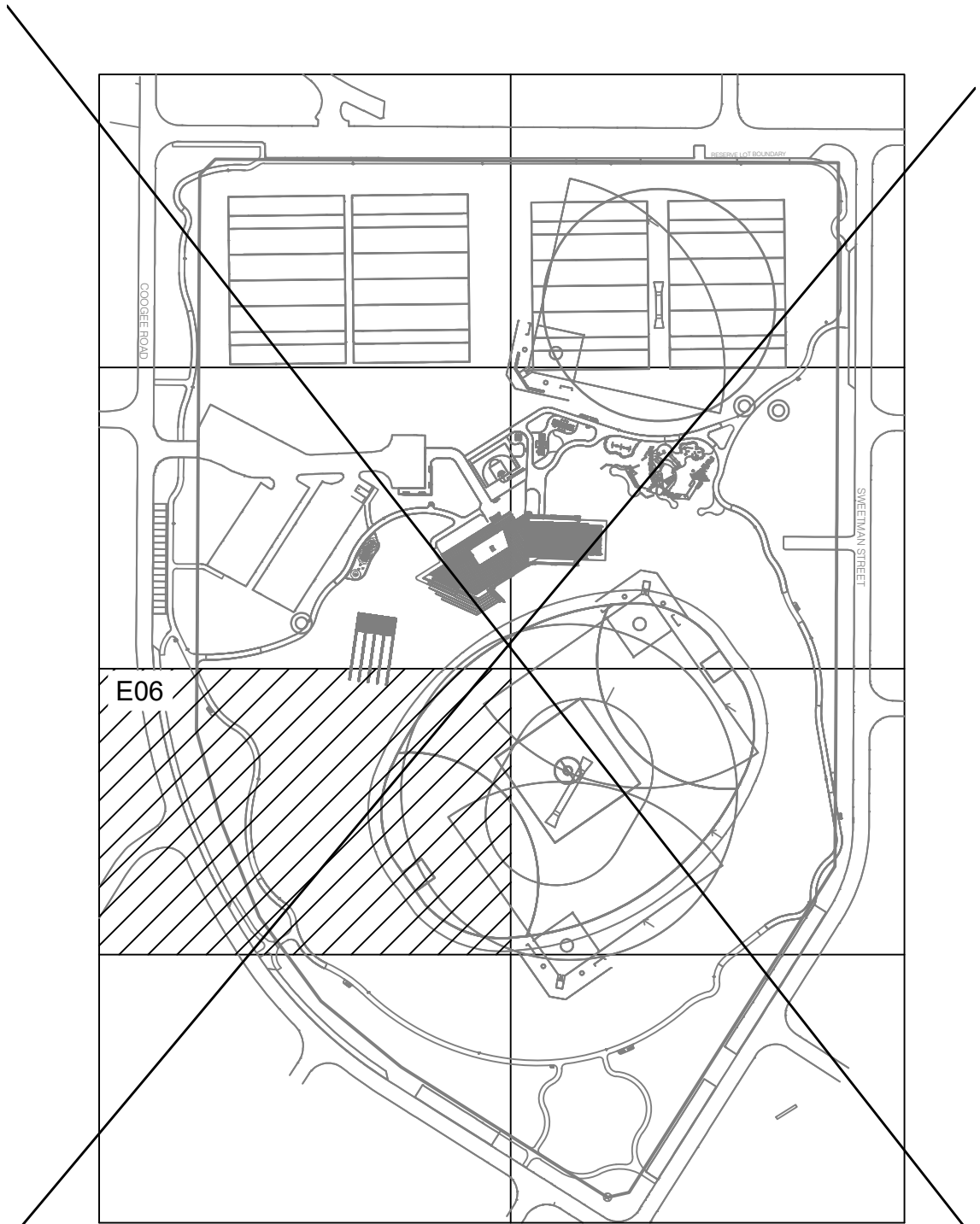
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Approved: MC	
Date: May 20	
Scale: 1 : 250	This Drawing must not be used for Construction unless signed as Approved

Client: CITY OF MELVILLE	
Project: SHIRLEY STRICKLAND RESERVE	
Title: ELECTRICAL SERVICES SITE PLAN - AREA 3	
Original Size: A1	Drawing No: E-04 - 18057
	Rev: H

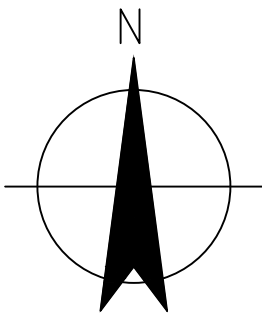


NOTES

1. NO ELECTRICAL SERVICES WITHIN THE 5m RUN OFF ZONE.

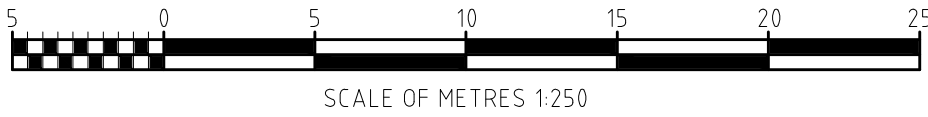


SITE PLAN



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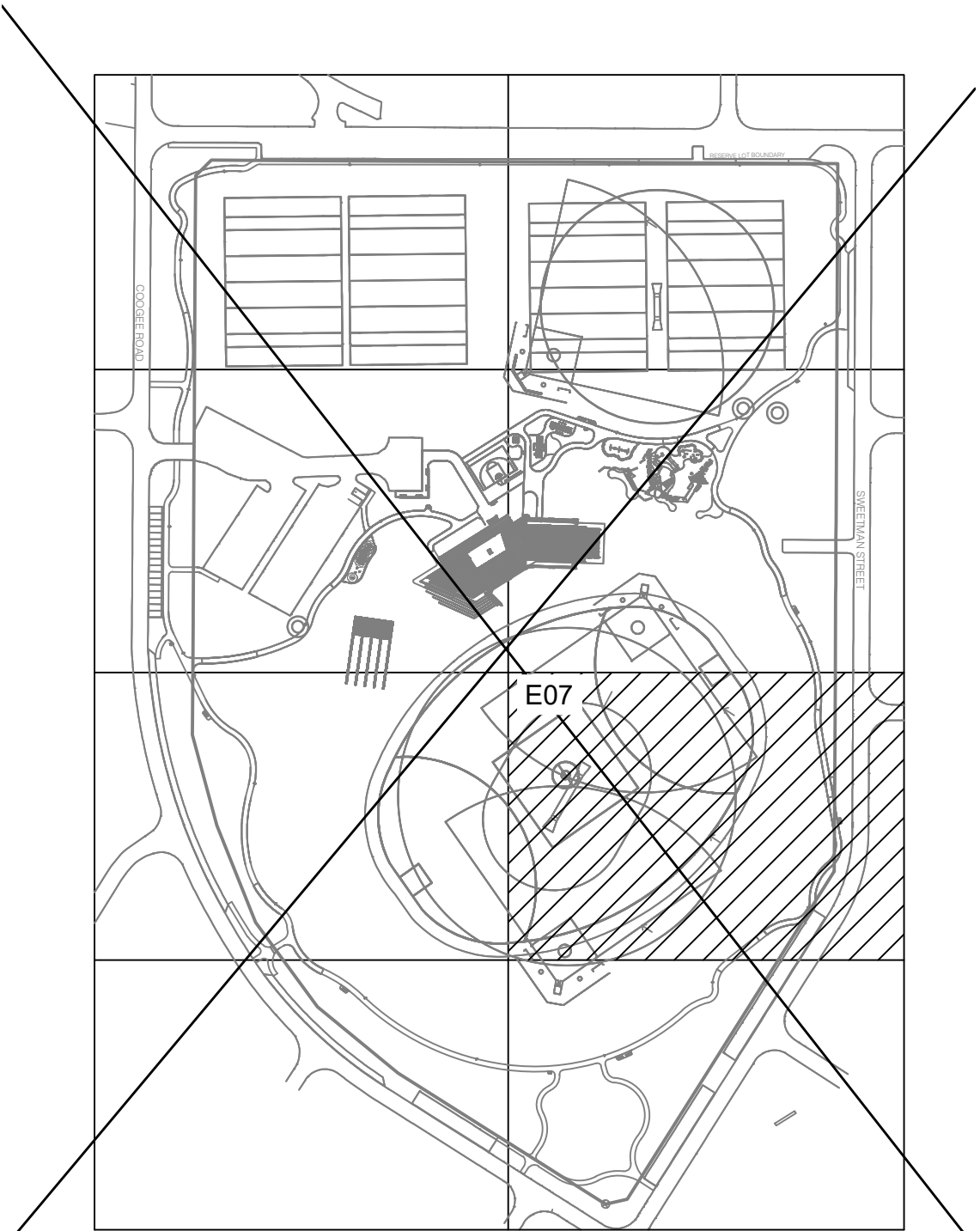
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donovan
payne

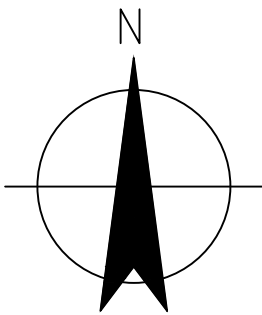


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Client: CITY OF MELVILLE	
Project: SHIRLEY STRICKLAND RESERVE	
Title: ELECTRICAL SERVICES SITE PLAN - AREA 5	
Original Size	
A1 Drawing No:	E-06 - 18057
	Rev: H

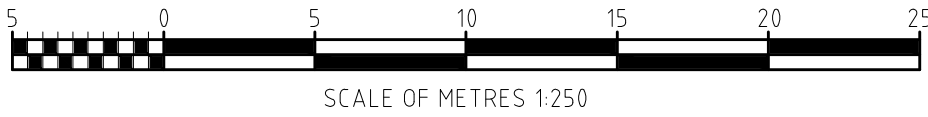


SITE PLAN



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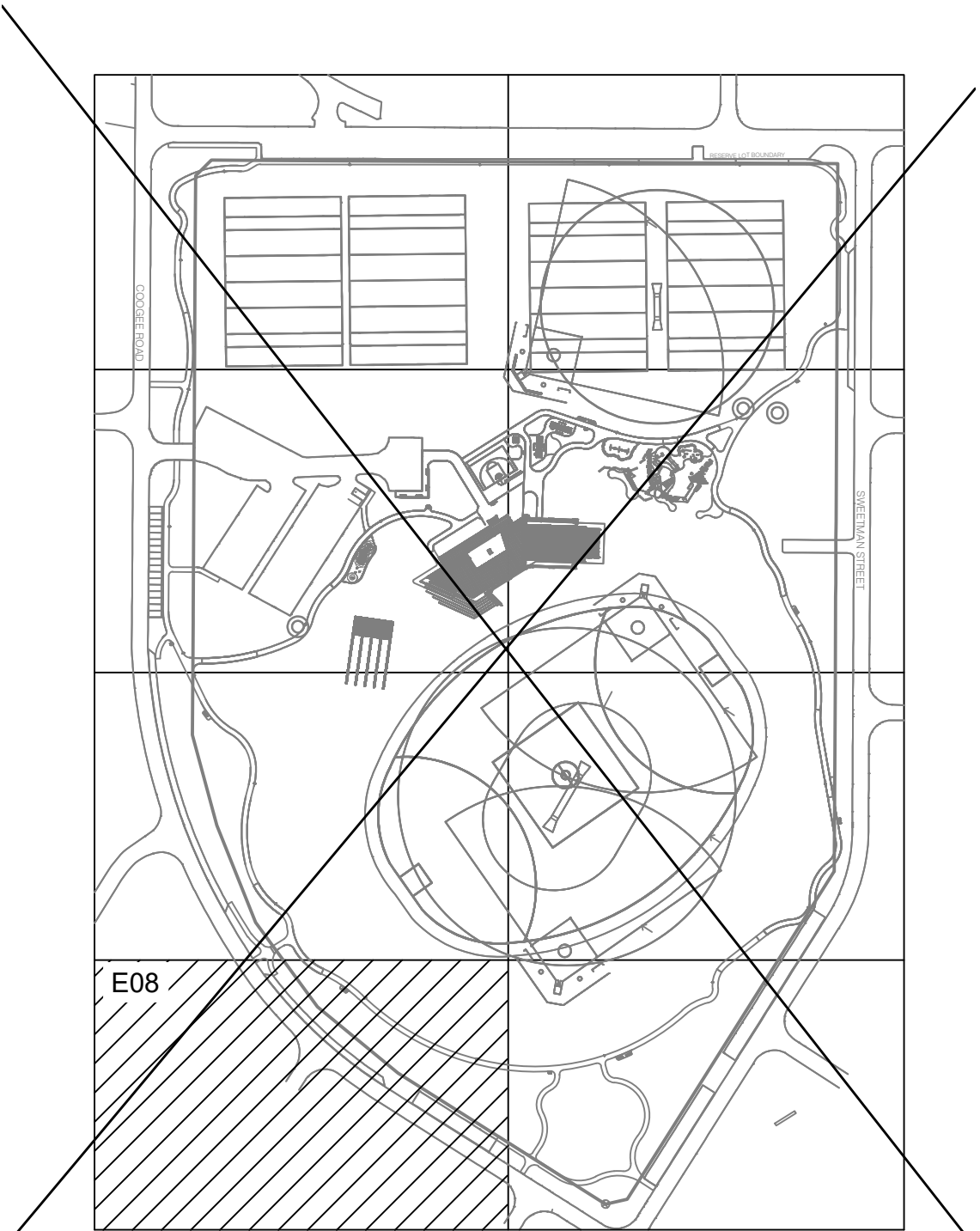
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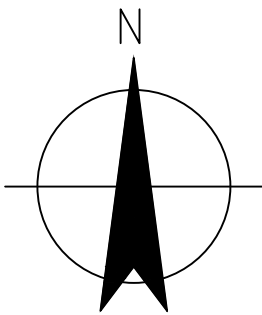
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Client: CITY OF MELVILLE	
Project: SHIRLEY STRICKLAND RESERVE	
Title: ELECTRICAL SERVICES	
Original Size	
A1 Drawing No:	E-07 - 18057
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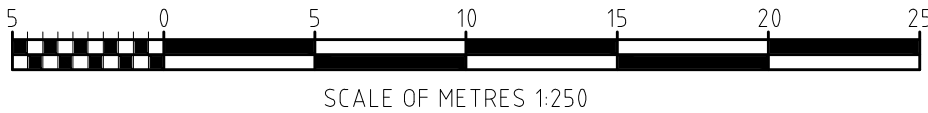


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Client: CITY OF MELVILLE	
Project: SHIRLEY STRICKLAND RESERVE	
Title: ELECTRICAL SERVICES SITE PLAN - AREA 7	
Original Size	
A1 Drawing No:	E-08 - 18057
	Rev: H