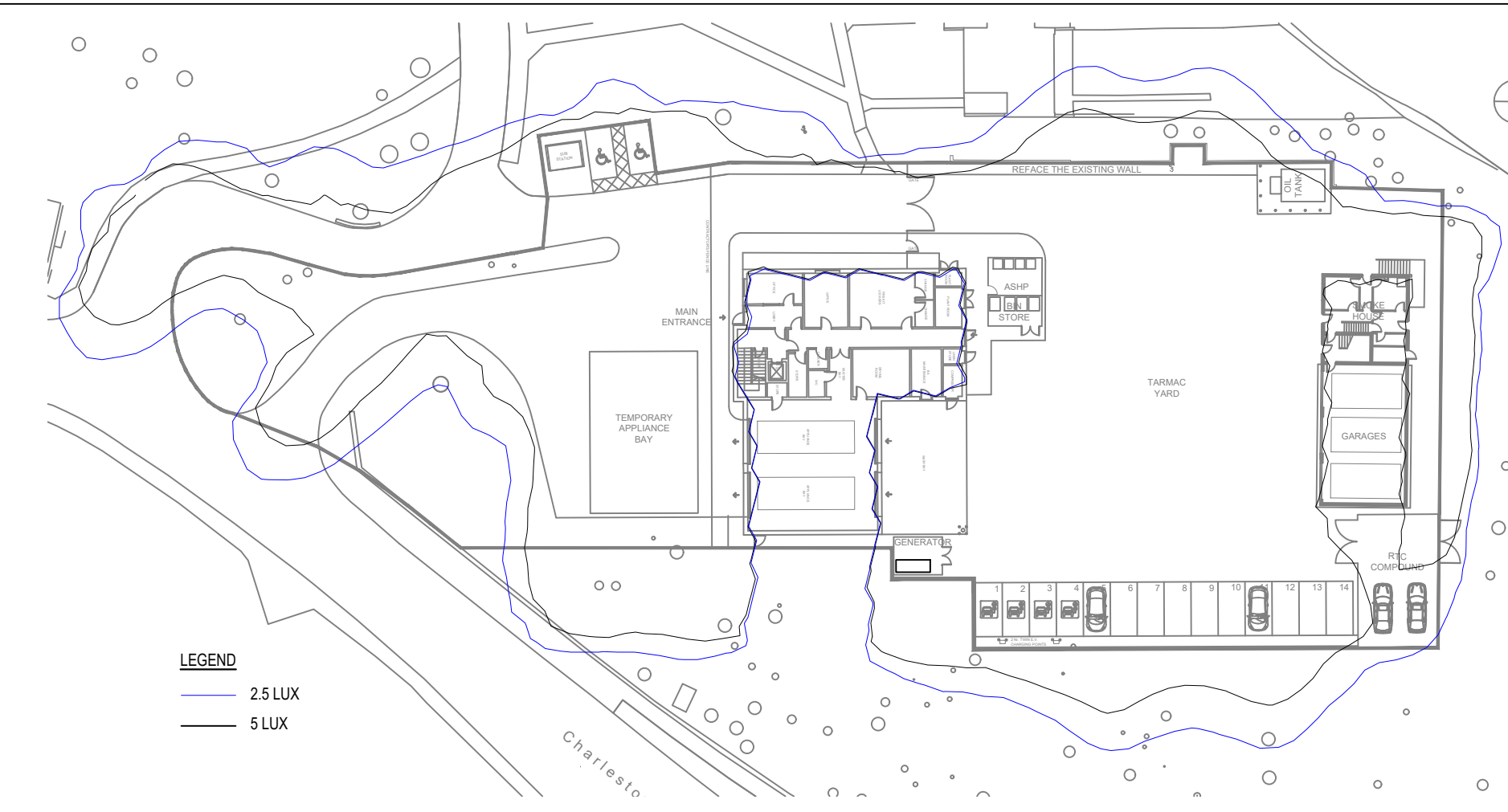
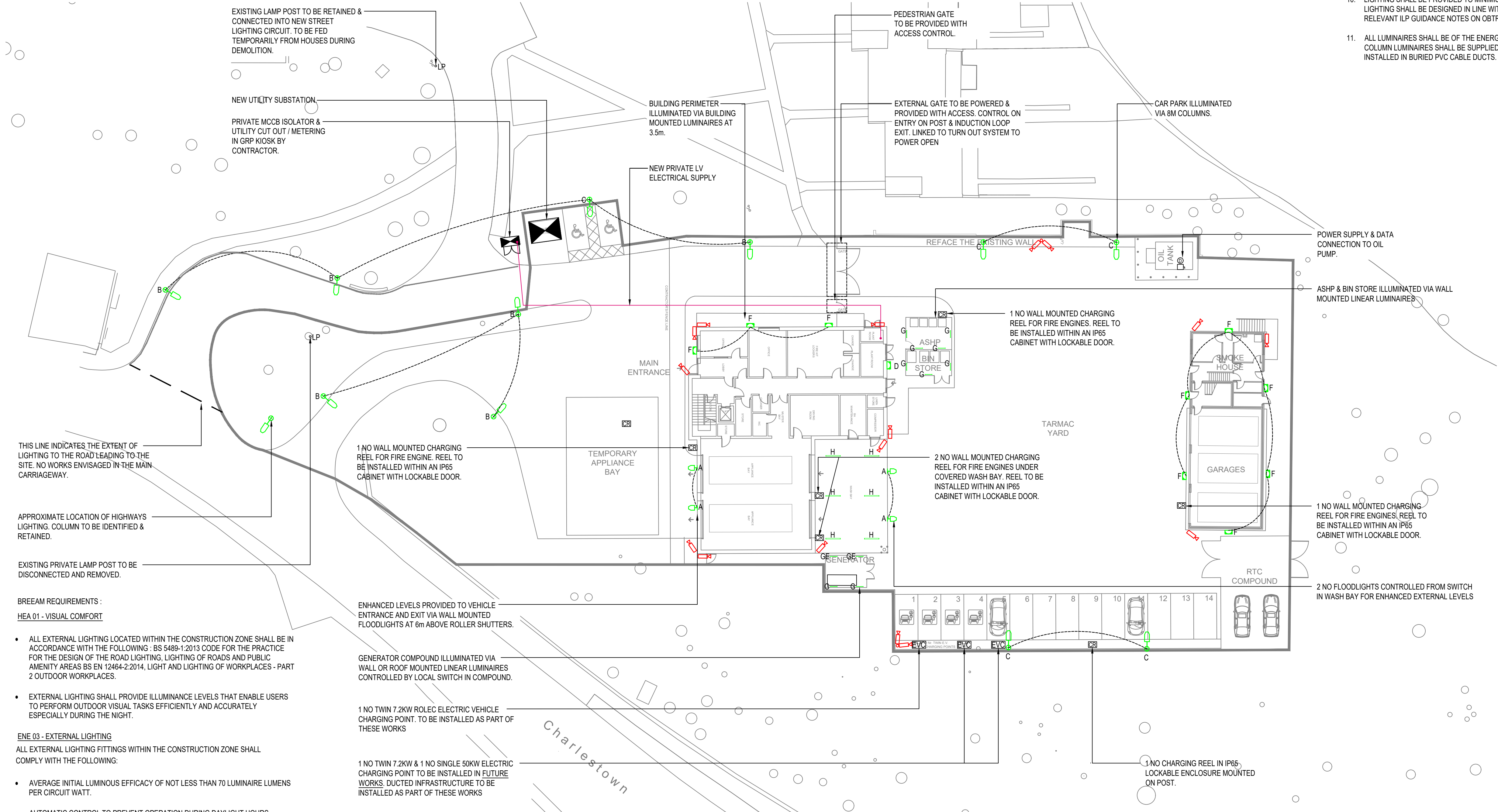




ISOLINES DIAGRAM



LUMINAIRE SCHEDULE

REF	MANUFACTURER	PRODUCT DESCRIPTION	IMAGE
A	DW WINDSOR	WALL MOUNTED LED FLOODLIGHT MOUNTED AT 6m. AS DW WINDSOR SABRE 64 LED. 1515LM 4000K	
B	DW WINDSOR	COLUMN MOUNTED LED LUMINAIRE MOUNTED AT 6m C/W A2 OPTIC. AS DW WINDSOR KIRIUM PRO 1. 2335LM 4000K	
C	DW WINDSOR	COLUMN MOUNTED LED LUMINAIRE MOUNTED AT 8m C/W C2 OPTIC. AS DW WINDSOR KIRIUM PRO 1. 4495LM 4000K	
D	DW WINDSOR	WALL MOUNTED LED LUMINAIRE MOUNTED AT 3.5m C/W WIDE OPTIC 700mA. AS DW WINDSOR KIRIUM WALL. 3947LM 4000K	
F	DW WINDSOR	WALL MOUNTED LED LUMINAIRE MOUNTED AT 3.5m C/W WIDE OPTIC 300mA. AS DW WINDSOR KIRIUM WALL. 1877LM 4000K	
G	WHITECROFT LIGHTING	SURFACE MOUNTED LINEAR LED LUMINAIRE C/W OPAL POLYCARBONATE DIFFUSER. AS WHITECROFT LIGHTING ACL EXTREME	
H	DEXTRA LIGHTING	SURFACE MOUNTED LINEAR LED LUMINAIRE C/W POLYCARBONATE DIFFUSER. AS DEXTRA LIGHTING TYPHON L45. 3870lm 26.4W	

LUX LEVELS

REFERENCE	TARGET ILLUMINATION (LUX)	TARGET UNIFORMITY (Uo)
CAR PARK	10	0.25
SITE ACCESS ROAD	10	0.4
APPLIANCE ACCESS	50	0.4
BUILDING PERIMETER	20	0.25
DISABLED PARKING BAYS	20	0.25
ROAD	5 - 7.5	1 MIN

NOTES

- ALL SERVICE ROUTES DETAILED ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT ROUTES AND POSITIONS OF ALL INSTALLED SERVICES AND EQUIPMENT.
- THE EXACT POSITION OF ALL SERVICES AND EQUIPMENT SHALL BE AGREED BY THE CONTRACT ADMINISTRATOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY CO-ORDINATING ANY SERVICES INSTALLED WITH THE BUILDING AND SERVICES INSTALLED BY OTHERS.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS, CONTRACT DOCUMENTATION, SCHEDULES AND SPECIFICATION FOR THE WORKS.
- ALL DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
- DO NOT SCALE FROM THIS DRAWING.
- THE ELECTRICAL INSTALLATION SHALL BE IN INSTALLED ACCORDANCE WITH THE 18TH EDITION OF IEE WIRING REGULATIONS BS7671 (REQUIREMENTS FOR ELECTRICAL INSTALLATIONS) DESIGN INCLUDING AMENDMENTS 2.
- THE CONTRACTOR SHALL SUPPLY AND INSTALL A COMPLETE AND COORDINATED EXTERNAL LIGHTING AS TYPICALLY DEPICTED ON THIS DRAWING.
- THIS DRAWING DOES NOT DEPICT THE EXISTING INGROUND SITE SERVICES AROUND THE SITE.
- LIGHTING SHALL BE PROVIDED TO MINIMISE LIGHT SPILL AND NUISANCE. LIGHTING SHALL BE DESIGNED IN LINE WITH THE REQUIREMENTS OF THE RELEVANT ILP GUIDANCE NOTES ON OBTRUSIVE LIGHT (GN01).
- ALL LUMINAIRES SHALL BE OF THE ENERGY EFFICIENT LED TYPE. EXTERNAL COLUMN LUMINAIRES SHALL BE SUPPLIED VIA XLPW/SWALSF CABLES INSTALLED IN BURIED PVC CABLE DUCTS.
- BUILDING MOUNTED LUMINAIRES SHALL BE WIRED FROM INSIDE THE BUILDING AND NO CIRCUITRY SHALL BE VISIBLE FORM THE OUTSIDE.
- EXTERNAL LIGHTING CIRCUITS SHALL BE SUPPLIED FROM THE EXTERNAL SERVICES DISTRIBUTION BOARD AND SHALL BE TIMECLOCK AND PHOTOCCELL CONTROLLED.
- BUILDING MOUNTED LUMINAIRE AND COLUMN LUMINAIRES SHALL BE PROVIDED WITH SEPARATE TIMECLOCK CONTROLS TO ALLOW SEPARATE SETTINGS TO BE PROVIDED.
- EMERGENCY LIGHTING TO BE PROVIDED VIA DEDICATED OVERDOOR EMERGENCY BULKHEADS. NOT ILLUSTRATED ON THIS DRAWING REFER TO INTERNAL LIGHTING LAYOUT.
- THE ROAD LIGTING LEADING TO THE SITE HAS BEEN DESIGNED IN LINE WITH BS EN 13201-2:2015, 6.1 REQUIREMENTS FOR PEDESTRIANS & PEDAL CYCLISTS AND RESIDENTIAL ROADS, TABLE 4 - P LIGHTING CLASSES, CLASS P4: 5.0-7.5lx Eav 1lx Emin.
- ACCESS ROAD TO BE PRIVATE BUT DESIGNED TO ADOPTABLE STANDARDS.
- EXTERNAL CCTV CAMERAS TO BE PROVIDED TO COVER BUILDING PERIMETER, YARD, OIL TANKS, PLANT BAYS & VEHICLE ENTRANCE.
- VEHICLE GATES TO BE POWERED OPENING. CONTRACTOR TO PROVIDE SUITABLE POWER SUPPLY.
- VEHICLE GATES TO HAVE ACCESS CONTROL. ENTRY VIA TWIN HEIGHT PAXTON KP75 READERS. EXIT VIA IN GROUND INDUCTION LOOPS. GATE MOTORS & MECHANISM TO BE INTEGRATED WITH ACCESS CONTROL TO HOLD GATES CLOSED. MAGNETIC LOCKS NOT PERMITTED.
- VEHICLE GATE TO INTERFACE WITH TURNOUT SYSTEM TO OPEN ON ACTIVATION & REMAIN OPEN FOR A SET PERIOD OF TIME.
- PEDESTRIAN GATE TO HAVE ACCESS CONTROL.
- THIS DRAWING IS PROVIDED TO ILLUSTRATE DESIGN INTENT ONLY AND IS SUBJECT TO DETAILED DESIGN. NO FINAL QUANTITIES, LENGTHS OR SIZES SHALL BE TAKEN FROM THIS DRAWING.

LEGEND

- WALL MOUNTED WIDE AREA FITTING
- COLUMN MOUNTED LUMINAIRE
- WALL MOUNTED LUMINAIRE
- LINEAR LUMINAIRE
- ELECTRIC VEHICLE CHARGING
- CCTV CAMERA
- POWER SUPPLY
- DATA POINT
- CHARGING REEL

PL	ISSUED FOR PLANNING	16.05.23	AG	MK
T3	TENDER ISSUE - CHARGING REELS & LINEAR FITTINGS ADDED	12.05.23	AG	MK
T2	TENDER ISSUE - NEW SITE PLAN	22.02.23	AK	RG
T1	TENDER ISSUE	20.06.22	AK	RG
P2	PRELIMINARY ISSUE	19.11.21	JJ	RG
P1	PRELIMINARY ISSUE	05.11.21	JJ	RG
REV	DESCRIPTION	DATE	DRAWN	APPROVED

ISSUED FOR PLANNING



PROJECT
GLOSSOP FIRE STATION

DRAWING TITLE
ELECTRICAL SERVICES
PROPOSED EXTERNAL LIGHTING, POWER
& SECURITY LAYOUT

ENGINEERING SERVICES DESIGN LIMITED
MECHANICAL & ELECTRICAL
CONSULTING ENGINEERS
No. 3, BROOKLANDS PLACE
BROOKLANDS ROAD
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Engineering
Services Design

DRAWN	AG	DATE	NOV' 21
CHECKED	MK	DATE	NOV' 21
APPROVED	MK	DATE	NOV' 21
SCALE 1:200@A1			
DRAWING NO. GFS-ESD-XX-XX-DR-E-6900		REV PL	