

Layout showing equipment positions, Scale 1:200 at A1.

Key

Proposed Column:
04  **Manufacturer:** Malatite
Material: Galvanised Steel
Type: Tubular
Height: 5m
Proposed Lantern:
Manufacturer: TRT
Model: Aspect Eco
Optic: GA3
Mounting: Post Top
Tilt: 0°
Wattage: 27W
Photometry file: 'ASE12_LED_27W_GA3_SYM_2700K_EXP.ies'
Driver: DALI enable
PECU: Lucy Zodian SS3 35 lux with 1: 0.5 Switching
Attachments: None

Feeder Pillar
01  **Manufacturer:** Lucy Zodian
Model: 06-HDG-5-J
Supply in: 230v Metered Supply
Supply out: MCB Type-C protected cables

Section 38 column for detail see latest revision of drawing: 25915-D-01

Private column for detail see latest revision of drawing: 25925-D-01

Column numbering to be finalised with the Authoritative Engineer

Column scheme numbering for existing and proposed equipment

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0.6 lux contour line - BS5489-1:2020 Lighting Class P5

3.0 lux contour line - BS5489-1:2020 Lighting Class P5

Table 4 — Maintained lighting levels for outdoor car parks

Type of area and usage	Values in lux	
	E	Uo
Light traffic, e.g. parking areas of shops, terraced and apartment houses; cycle parks	5	0.25
Medium traffic, e.g. parking areas of department stores, office buildings, plants, sports and multipurpose building complexes	10	0.25
Heavy traffic, e.g. parking areas of major shopping centres, major sports and multipurpose sports and building complexes	20	0.25

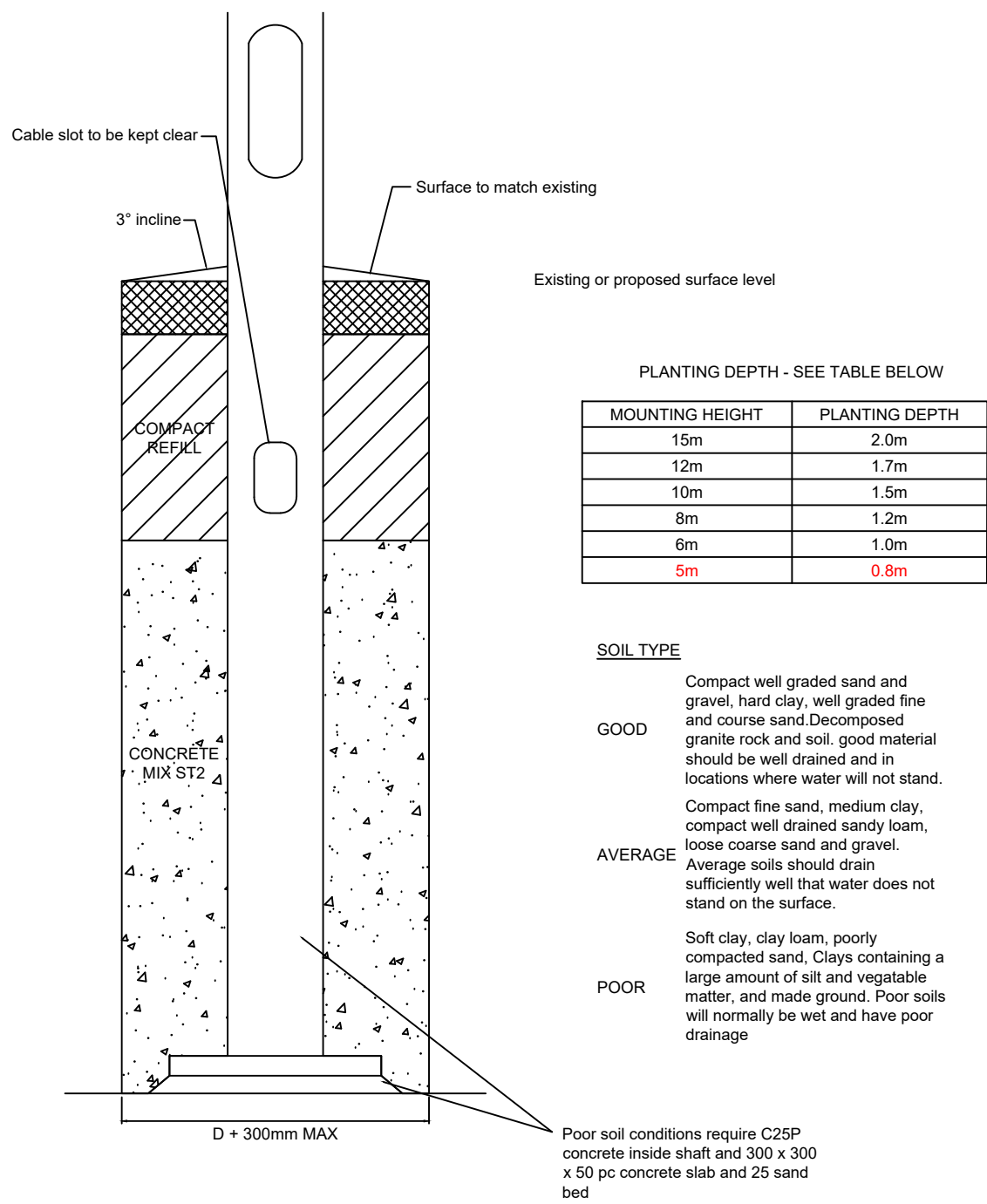
In areas with low ambient luminance or environmental sensitivity areas, car park lighting levels should be appropriate to the adjacent highway lighting levels.

Lighting for open roof level car parks should be planned to avoid visual domination of the skyline by the components used to mount the luminaires during the day and by the light sources at night.

NOTE 3 Further information is given in ILP GN01 [N2].

The boundary of open roof level car parks should be well defined by illumination of the perimeter and rails. When selecting the location of luminaires and mounting components, the need for access for maintenance should be taken into account.

Typical column installation details NTS



A Changed duct and feeder pillar locations 04/03/25 JL PDL

REV DESCRIPTION DATE DRN APP

DRAWING NO: 25930-D-01 REV: A

DRAWING STATUS: DESIGN

CLIENT: Eccleston HOMES

PROJECT: Bridge Street, Ramsbottom Car Park Private

TITLE: Proposed Lighting and Installation Design Layout

SCALE: AS INDICATED DESIGNED BY: JL 18/11/2024

SHEET NO: Sheet 1 of 4 APPROVED FOR ISSUE: PDL 18/11/2024

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PROJECT: H:\Projects\Eccleston Homes\Bridge Street, Ramsbottom\Car Park\Drawings\Rev A



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Layout showing equipment positions and duct runs, Scale 1:200 at A1.

PROJECT: H:\Projects\Eccleston Homes\Bridge Street, Ramsbottom\Car Park Drawings\Rev_A

XREF DRAWINGS:

Date Plotted: 04/03/2025 11:21 AM

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Optic: GA3
Mounting: Post Top
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Wattage: 27W
Photometry file: ASE12_LED_27W_GA3_SYM_2700K_EXP.isf
Driver: DALI enable
PECU: Lucy Zodian SS3 35 lux with 1:0.5 Switching
Attachments: None

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Supply out: MCB Type-C protected cables

Section 38 column for detail see latest revision of drawing: 25915-D-01

Private column for detail see latest revision of drawing: 25925-D-01

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Proposed 6mm 3 core XLPE/SWA/PVC

A	Changed duct and feeder pillar locations	04/03/25	JL	PDL
REV	DESCRIPTION	DATE	DRN	APP
DRAWING NO:	25930-D-01	REV:	A	

DRAWING STATUS: DESIGN

CLIENT:



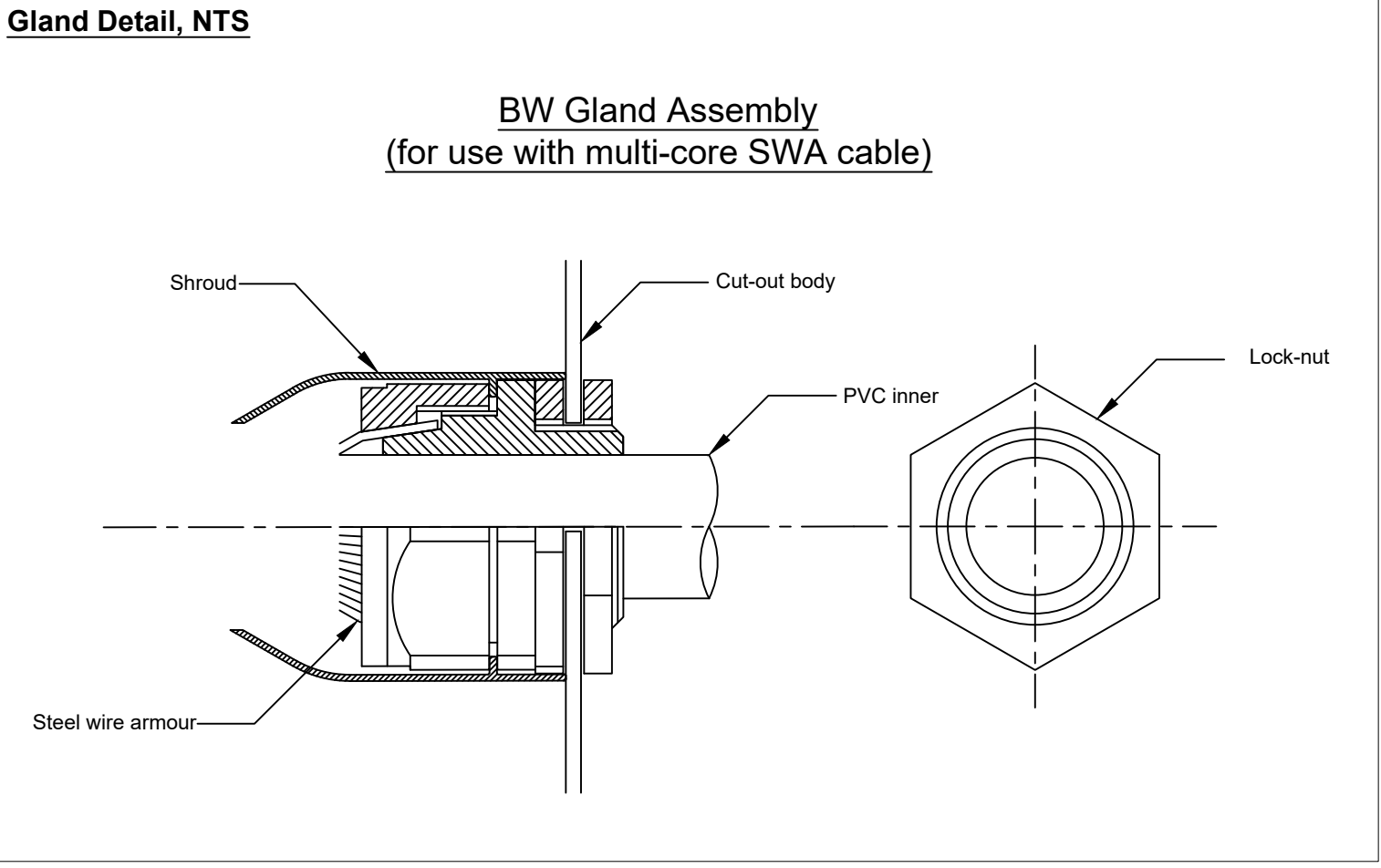
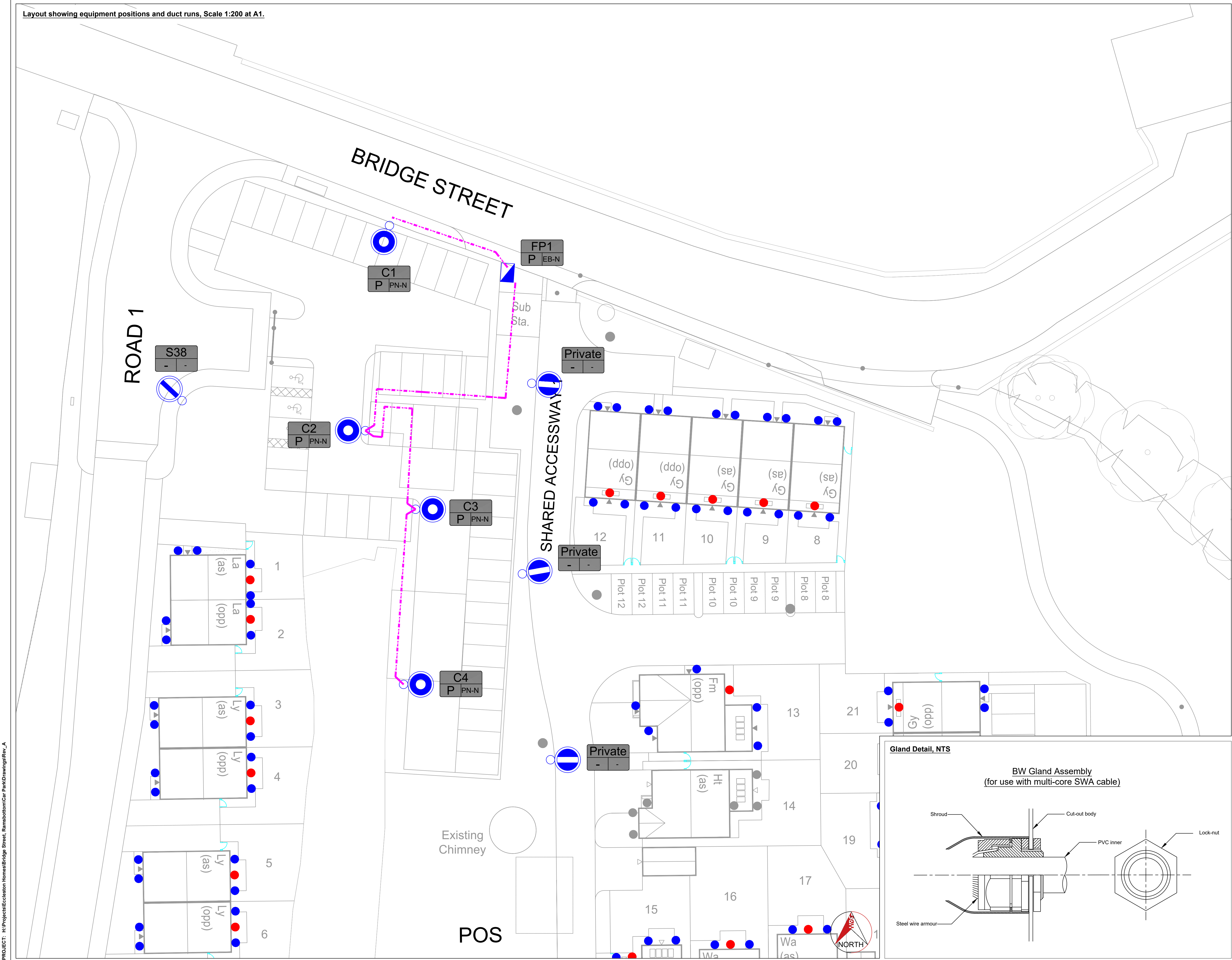
PROJECT: Bridge Street, Ramsbottom Car Park Private

TITLE: Proposed Cable Layout

SCALE: AS INDICATED	DESIGNED BY: JL 18/11/2024
SHEET NO: Sheet 3 of 4	APPROVED FOR ISSUE: PDL 18/11/2024

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Incoming Single Phase DNO unmetered supply*

*Subject to confirmation of new proposed LV mains layout

$\Omega = 0.35$

FEEDER PILLAR P-FP1

4-Way Consumer Unit (3No used for the below circuits and 3No spare way)
All protective devices to be Hager NC 10kA Type C MCB's. Changing to other devices may cause the circuit to not conform to BS7671

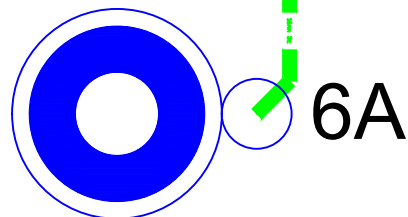
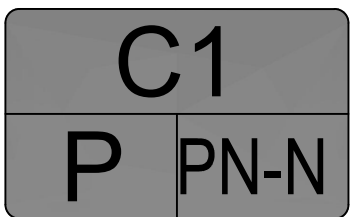
Feeder Pillar
Equipment Totals:

Amps(A): 0.84*
Wattage(W): 108
KVA: 0.193*

*these figures
include a safety
multiplier of 1.8x

16A
Circuit 1

6mm² 3 core
XLPE/SWA/PVC

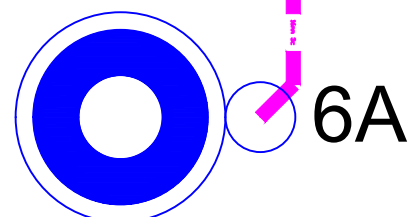
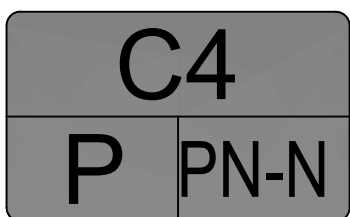
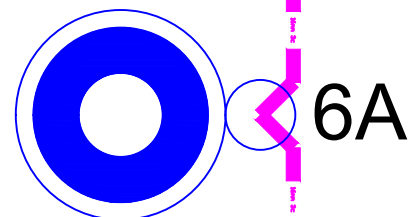
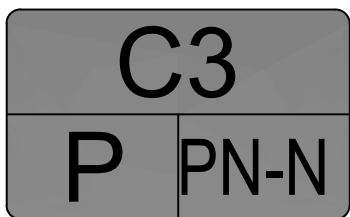
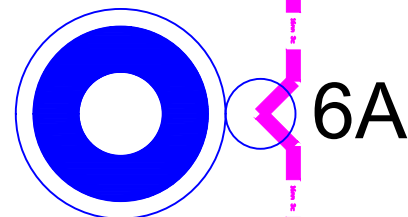
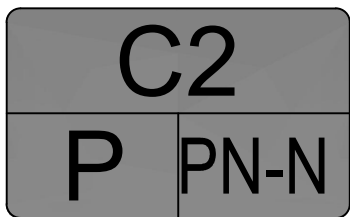


Approx. Ducting Length - 15m
Approx. Cable Length - 18m
Total Wattage - 27W
Total Current - 0.21A*
Cable Calculation - 25930-C-01A

*These figures include a safety
multiplier of 1.8x

16A
Circuit 2

6mm² 3 core
XLPE/SWA/PVC



Approx. Ducting Length - 77m
Approx. Cable Length - 92m
Total Wattage - 81W
Total Current - 0.63A*
Cable Calculation - 25930-C-02A

*These figures include a safety
multiplier of 1.8x

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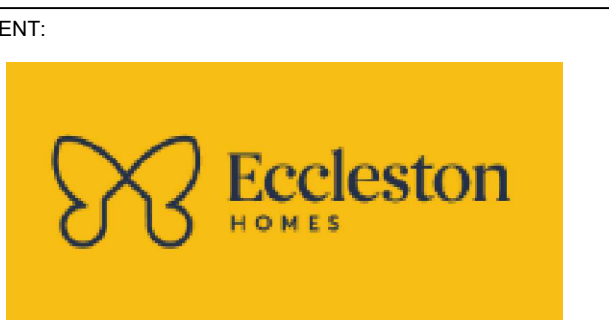
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A	Changed duct and feeder pillar locations	04/03/25	JL	PDL
REV	DESCRIPTION	DATE	DRN	APP
DRAWING NO:	25930-D-01	REV:	A	

DRAWING STATUS: DESIGN



PROJECT: Bridge Street, Ramsbottom Car Park Private

TITLE: Electrical Schematics

SCALE: AS INDICATED	DESIGNED BY: JL 18/11/2024
SHEET NO: Sheet 4 of 4	APPROVED FOR ISSUE: PDL 18/11/2024

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