

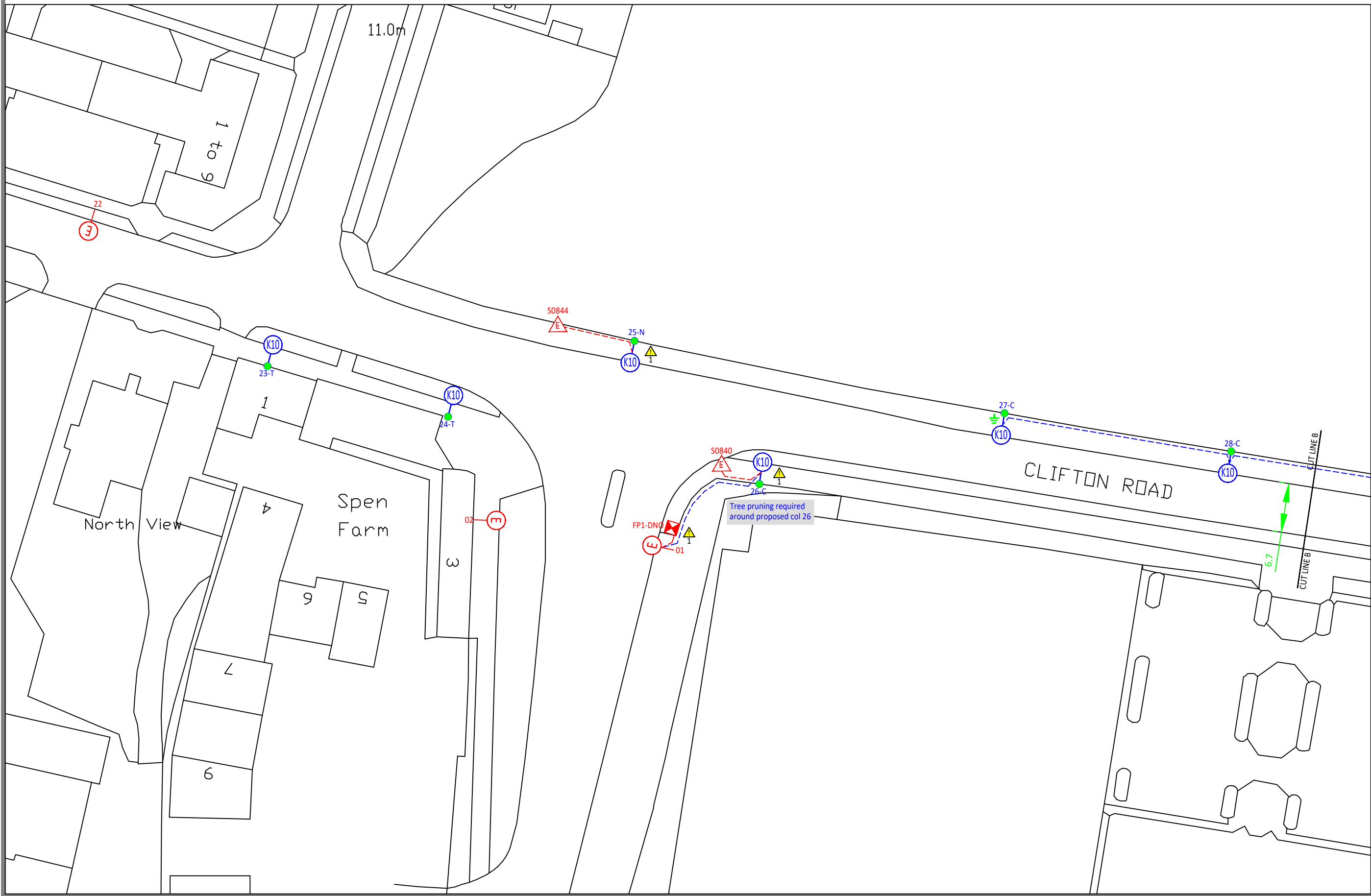
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The contractor is responsible for checking dimensions and any discrepancy to be verified with E.ON UK PLC. before proceeding. Figured dimensions only to be worked to, do not scale. IF IN DOUBT ALWAYS ASK

NOTES

- This design has been prepared in accordance with the HEMSA guidance note - CDM2015 Regulations.
- All works to be completed fully compliant with the following eon standard detail drawings:
  - 13.03 - Installation of street lighting columns.
  - 13.10 - Column door alignment.
  - 14.01 Rev a to 14.06 Rev a - Termination types L1 to L6
  - 14.08 Rev A - Termination Type L8
  - 14.26 - Base compartment general arrangement Rev A
  - 14.27 - Column and sign numbering detail
  - 14.28 - Termination labels in base compartment
  - 14.42 - Feeder pillar type b (up to 6 outgoing circuits)
  - 14.44 - Feeder pillar type d (up to 2 outgoing circuits)
  - 14.50 - Earth pit and electrodes
  - 14.51 - Under ground ducts
  - 14.52 - Cable access chambers
  - 14.53 - Splitter islands (signs plus bollards)
  - 14.54 - Splitter islands (bollards only)

COLUMN LOCATION KEY

- Existing column position to be re-used
- New column position



**LIGHTING KEY**

- Proposed ALC conical aluminium road lighting column of 10m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 80W 11.39km LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.  
Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.  
Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).  
Luminaire ref - VMX.2.LA114.V2.F4Q1.W080.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 10m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 100W 13.33km LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.  
Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.  
Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).  
Luminaire ref - VMX.2.LA124.V2.F4Q1.W100.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 10m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 125W 17.47km LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.  
Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.  
Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).  
Luminaire ref - VMX.2.LA164.V3.F4Q1.W125.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 12m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 125W 17.47km LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.  
Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.  
Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).  
Luminaire ref - VMX.2.LA114.V2.F4Q1.W080.PT1.T7.LRD.CL8.L007
- Lantern replacement only - Replace existing lantern with post top mounted @ 0° tilt Holophane Vmax 80W 11.39km LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.  
Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.  
Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).  
Luminaire ref - VMX.2.LA114.V2.F4Q1.W080.PT1.T7.LRD.CL8.L007

- Existing street lighting column to remain
- Existing street lighting column and lantern to be taken down and removed off site
- Existing illuminated sign pole to remain
- Existing illuminated bollard to remain
- Existing feeder pillar to remain

- Proposed \*mm² \*core xlpe/pvc/swa/pvc supply cable installed in 50mmØ orange street lighting underground service duct (for cable CSA and core no. see cable schematic dwg no. BLK-AIP-YR6-P1-08-09)
- Existing street lighting supply cable to remain

- Proposed 450mm x 450mm access chamber, three stacking sections high - as per Eon standard detail drawing no.14.52
- Proposed earth pit - as per Eon standard detail drawing no.14.50
- Proposed column number & connection type
- Proposed Distribution Network Operator Connection via RED ducting to Electricity North West specification, including a Tofo double pole cut out positioned to the bottom of the door aperture as per Eon standard detail dwg no. 14.26
- Transfer of existing service to new column via RED ducting to ENW specification, including Tofo double pole cut out positioned to the bottom of the door aperture as per Eon standard detail dwg no. 14.26
- Proposed Private Cable Network Connection via Orange ducting to BBC specification, including a double pole cut out positioned to the bottom of the door aperture as per Eon standard detail drawing number 14.26 Rev A
- Existing Distribution Network Operator Service
- Significant Residual Risks
  - 1.Underground high voltage (HV) cables are present in vicinity
  - 2.Overhead BT cables are present in vicinity

Revisions

Rev	Details	By	Date

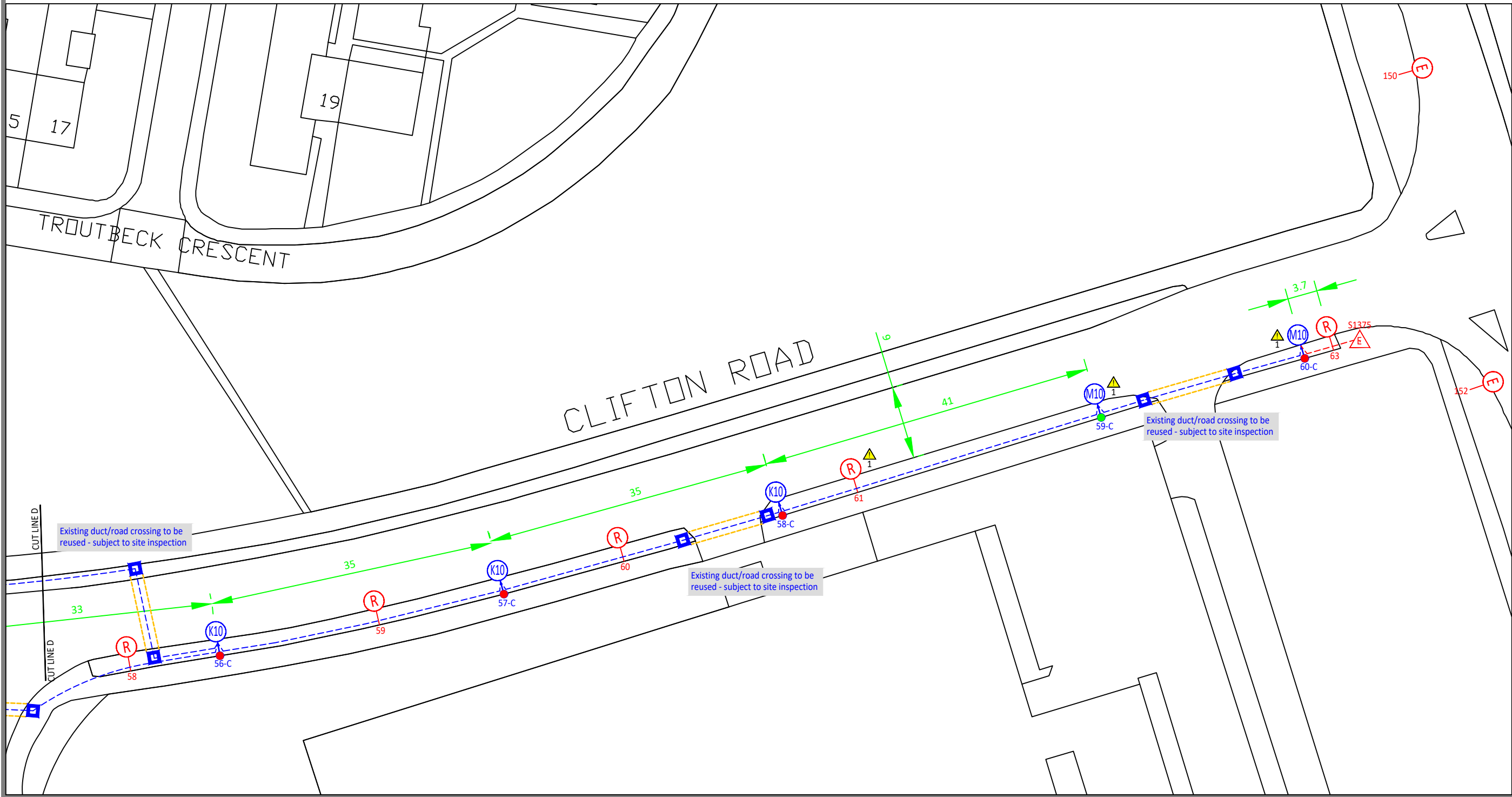
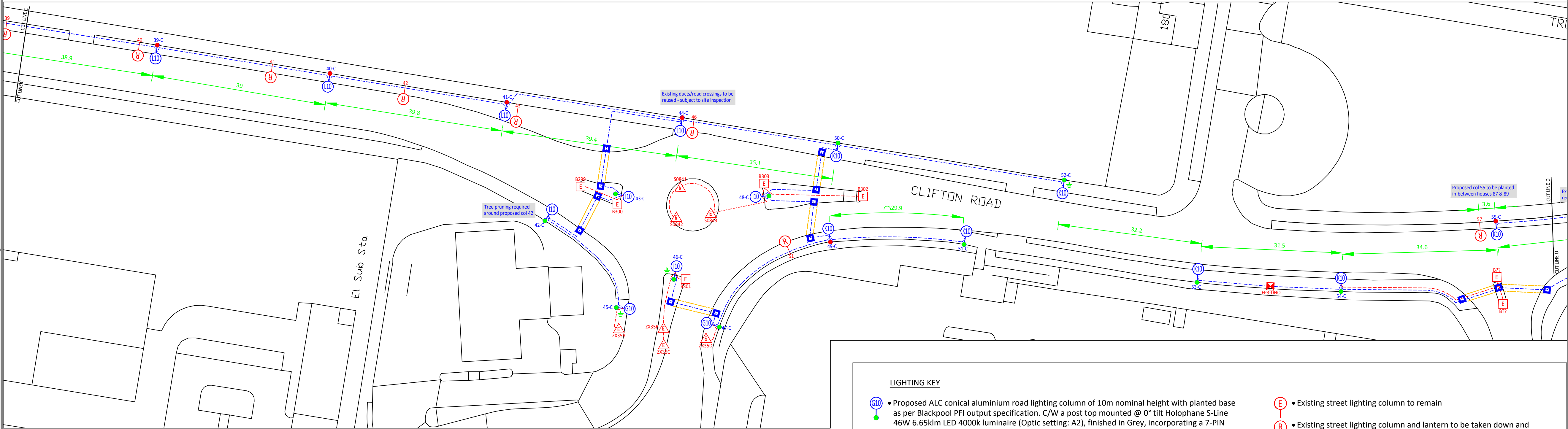
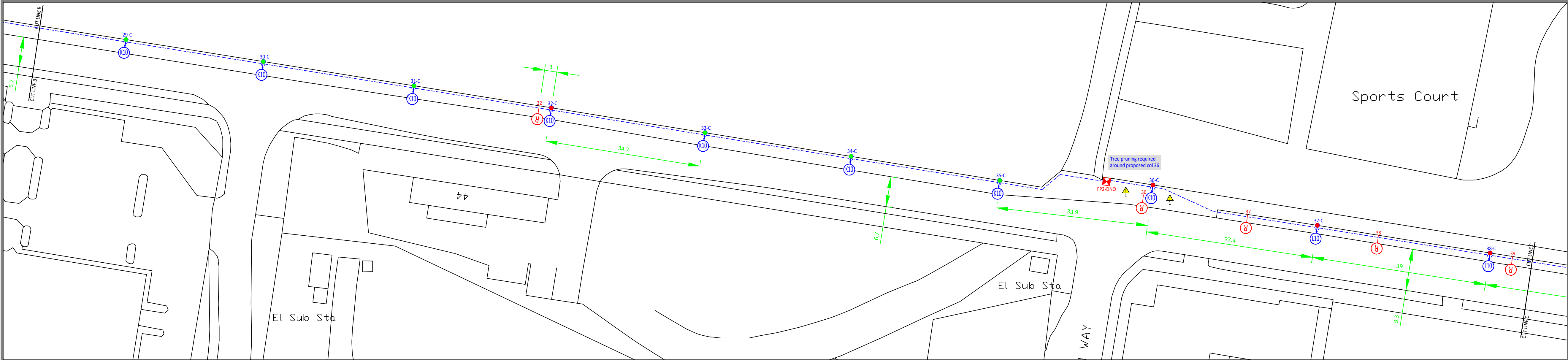
Roads included on layout: Cherry Tree Road, Cherry Tree Road North, Clifton Road & Preston New Road

DRAWING ISSUED FOR COMMENT



Client	BLACKPOOL BOROUGH COUNCIL		
Project	BLACKPOOL STREET LIGHTING PFI AIP YEAR 6 (PART 1)		
Title	PROPOSED STREET LIGHTING LOCATIONS 1 of 7		
Dwg No.	BLK-AIP-YR6-P1-01	Rev	P1
Scales	1:500 @ A1	Date	17.02.23
Desigr	MK	Drawn	MK
		Checked	SJA
		Appd	SJA





LIGHTING KEY

- Proposed ALC conical aluminium road lighting column of 10m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane S-Line 46W 6.65km LED 4000k luminaire (Optic setting: A2), finished in Grey, incorporating a 7-PIN NEMA socket.
- Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
- Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
- Luminaire ref - SLI.2.LA074.A2.W046.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 10m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 50W 7.81km LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
- Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
- Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
- Luminaire ref - VMX.2.LA084.V2.F4Q1.W050.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 10m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 80W 11.39km LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
- Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
- Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
- Luminaire ref - VMX.2.LA114.V2.F4Q1.W080.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 10m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 100W 13.33km LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
- Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
- Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
- Luminaire ref - VMX.2.LA124.V2.F4Q1.W100.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 10m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 125W 17.47km LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
- Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
- Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
- Luminaire ref - VMX.2.LA164.V3.F4Q1.W125.PT1.T7.LRD.CL8.L007

- Existing street lighting column to remain
- Existing street lighting column and lantern to be taken down and removed off site
- Existing illuminated sign pole to remain
- Existing illuminated bollard to remain
- Existing feeder pillar to remain
- Proposed \*mm<sup>2</sup> \*core xlp/pvc/swa/pvc supply cable installed in 50mmØ orange street lighting underground service duct (for cable CSA and core no. see cable schematic dwg no. BLK-AIP-YR6-P1-08-09)
- Existing street lighting supply cable to remain
- Proposed 2 x 100mmØ orange street lighting duct to invert 750mm to top of duct as per Eon standard detail drawing no.14.51
- Proposed 450mm x 450mm access chamber, three stacking sections high - as per Eon standard detail drawing no.14.52
- Proposed earth pit - as per Eon standard detail drawing no.14.50
- Proposed column number & connection type
- Proposed Private Cable Network Connection via Orange ducting to BBC specification, including a double pole cut out positioned to the bottom of the door aperture as per Eon standard detail drawing number 14.26 Rev A
- Existing Distribution Network Operator Service
- Significant Residual Risks
  - 1.Underground high voltage (HV) cables are present in vicinity
  - 2.Overhead BT cables are present in vicinity

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NOTES

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2. All works to be completed fully compliant with the following eon standard detail drawings:
  - 13.03 - Installation of street lighting columns.
  - 13.10 - Column door alignment.
  - 14.01 Rev a to 14.06 Rev a - Termination types L1 to L6
  - 14.08 Rev A - Termination Type L8
  - 14.26 - Base compartment general arrangement Rev A
  - 14.27 - Column and sign numbering detail
  - 14.28 - Termination labels in base compartment
  - 14.42 - Feeder pillar type b (up to 6 outgoing circuits)
  - 14.44 - Feeder pillar type d (up to 2 outgoing circuits)
  - 14.50 - Earth pit and electrodes
  - 14.51 - Under ground ducts
  - 14.52 - Cable access chambers
  - 14.53 - Splitter islands (signs plus bollards)
  - 14.54 - Splitter islands (bollards only)

COLUMN LOCATION KEY

- Existing column position to be re-used
- New column position

Revisions

Rev	Details	By	Date

Roads included on layout: Clifton Road

DRAWING ISSUED FOR COMMENT

**e-on**  
Lighting & Grid  
lightingdesign@eon-uk.com

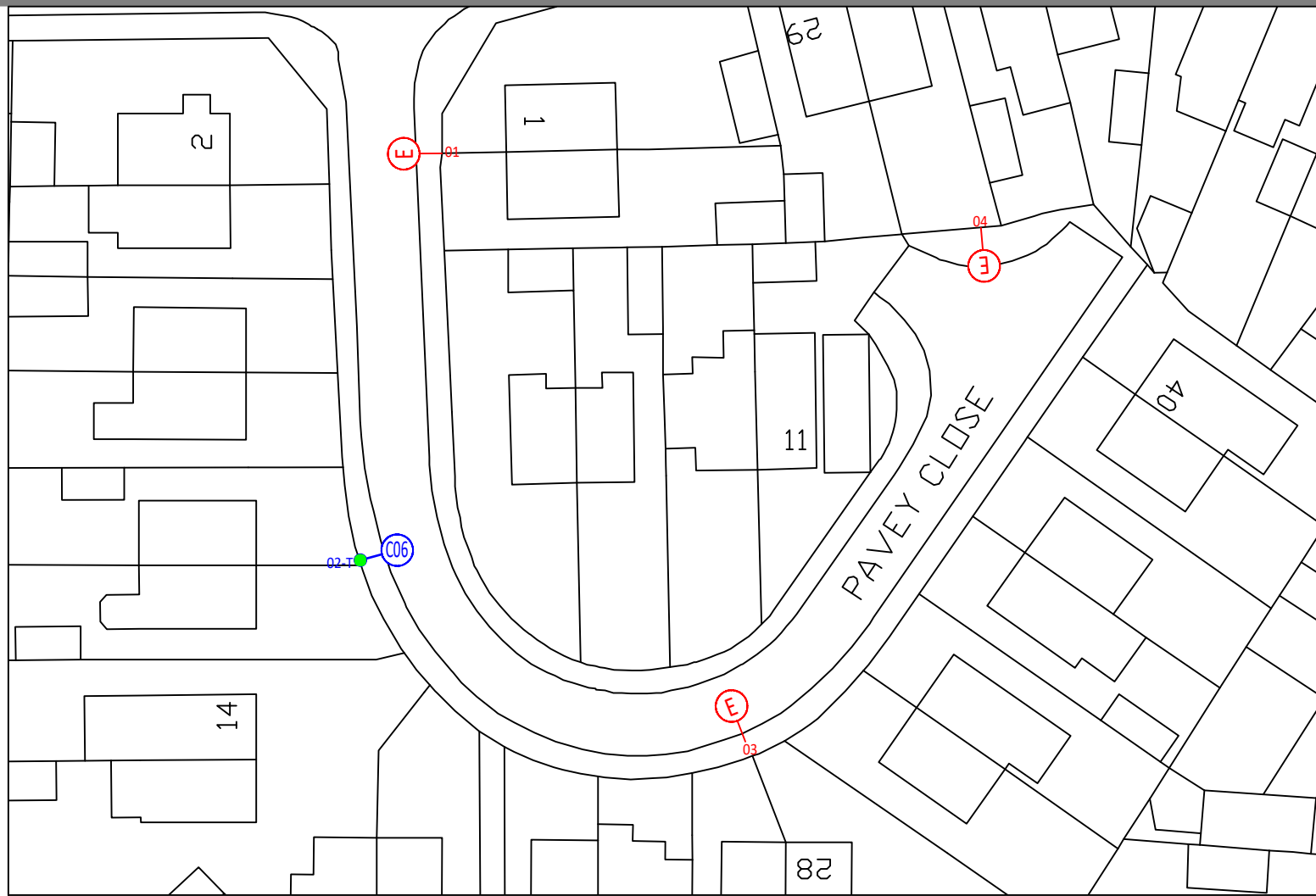
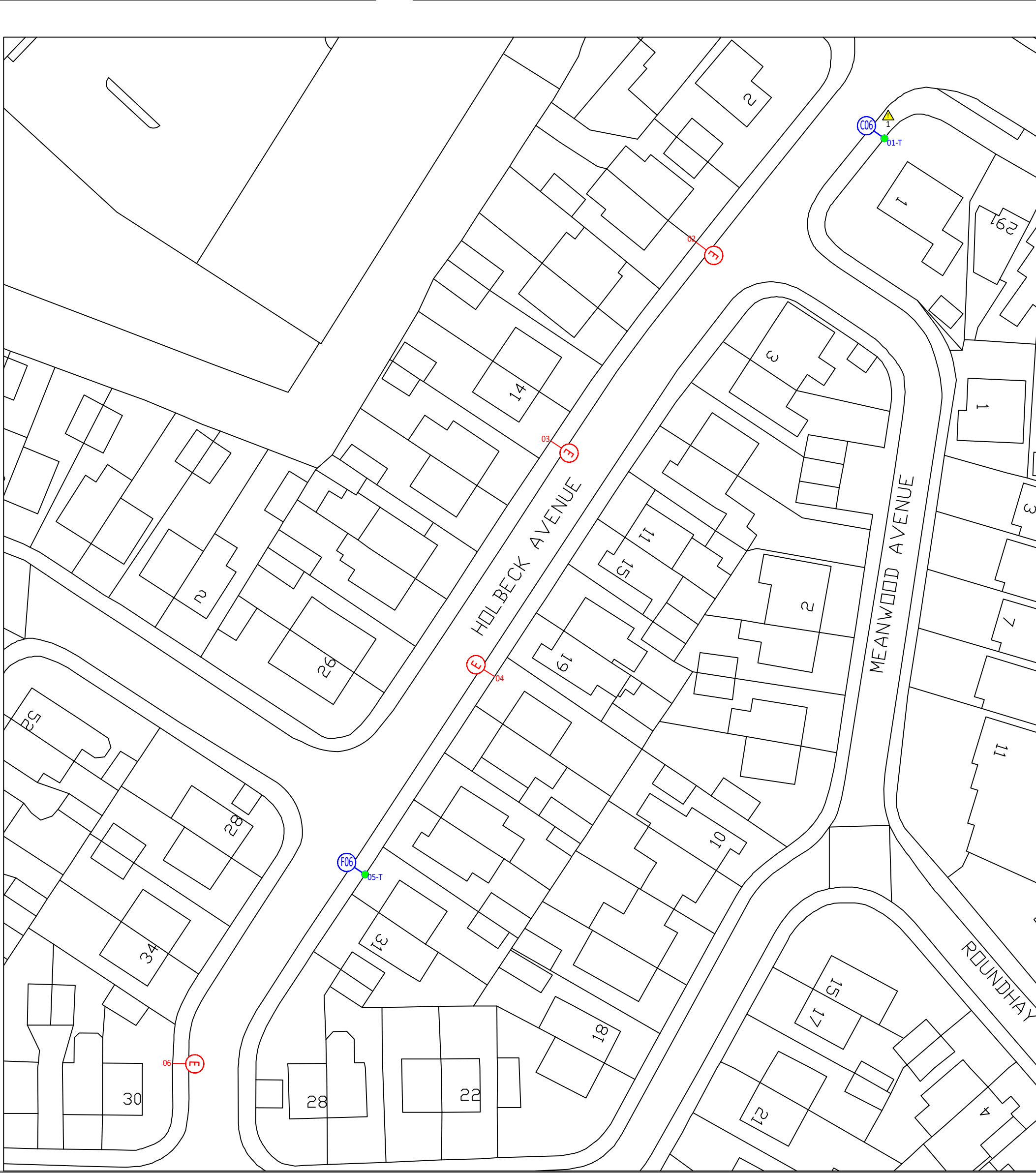
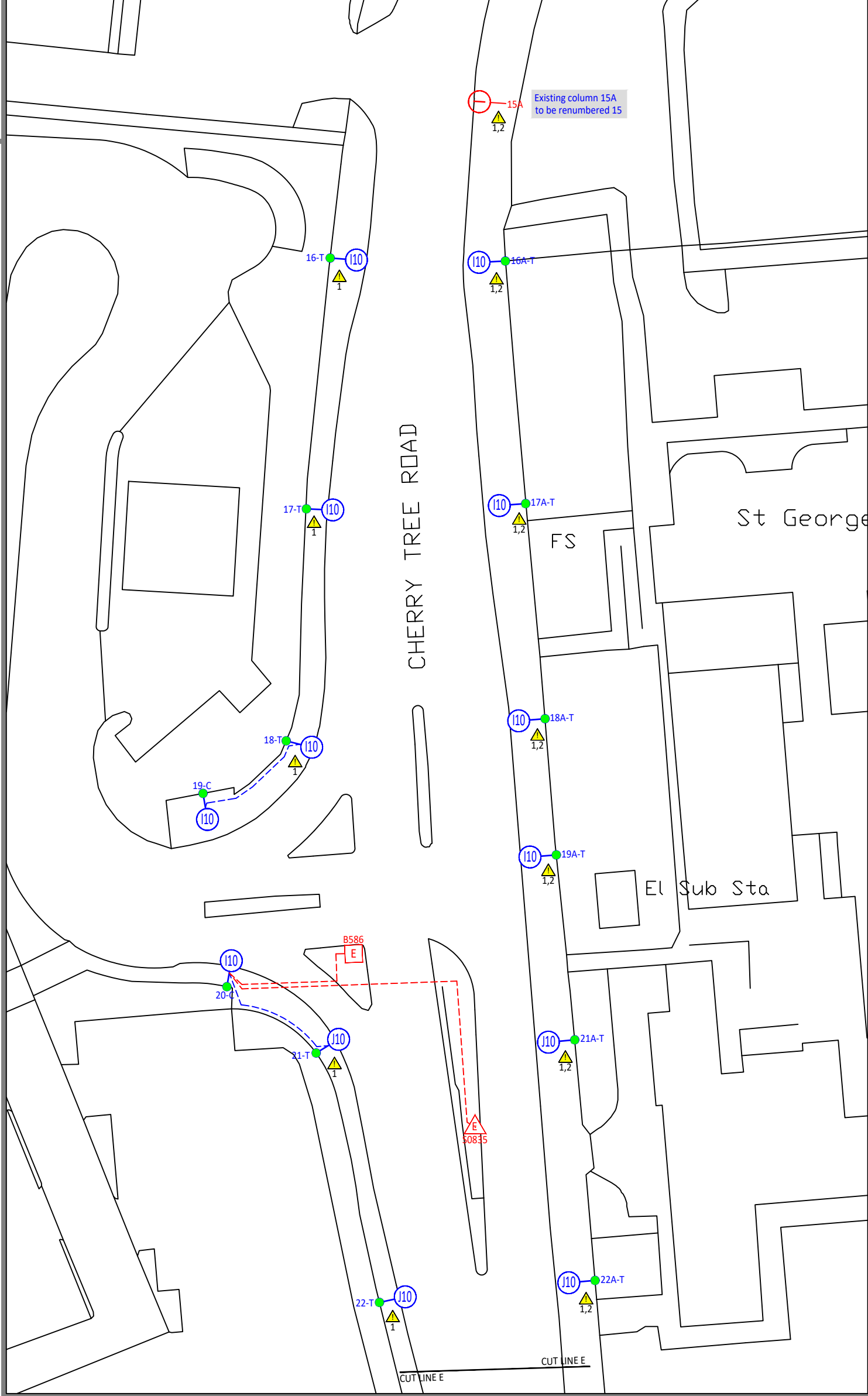
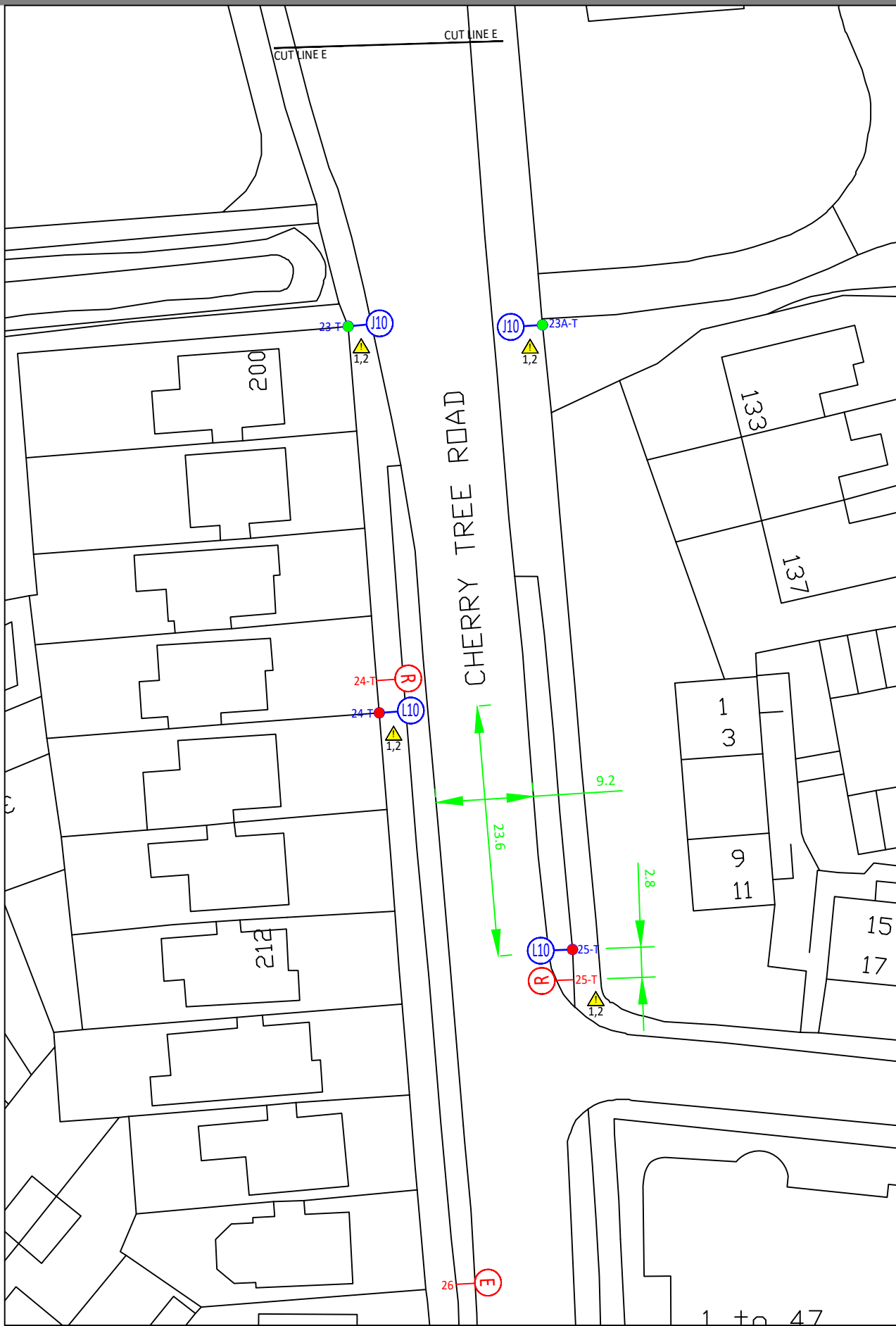
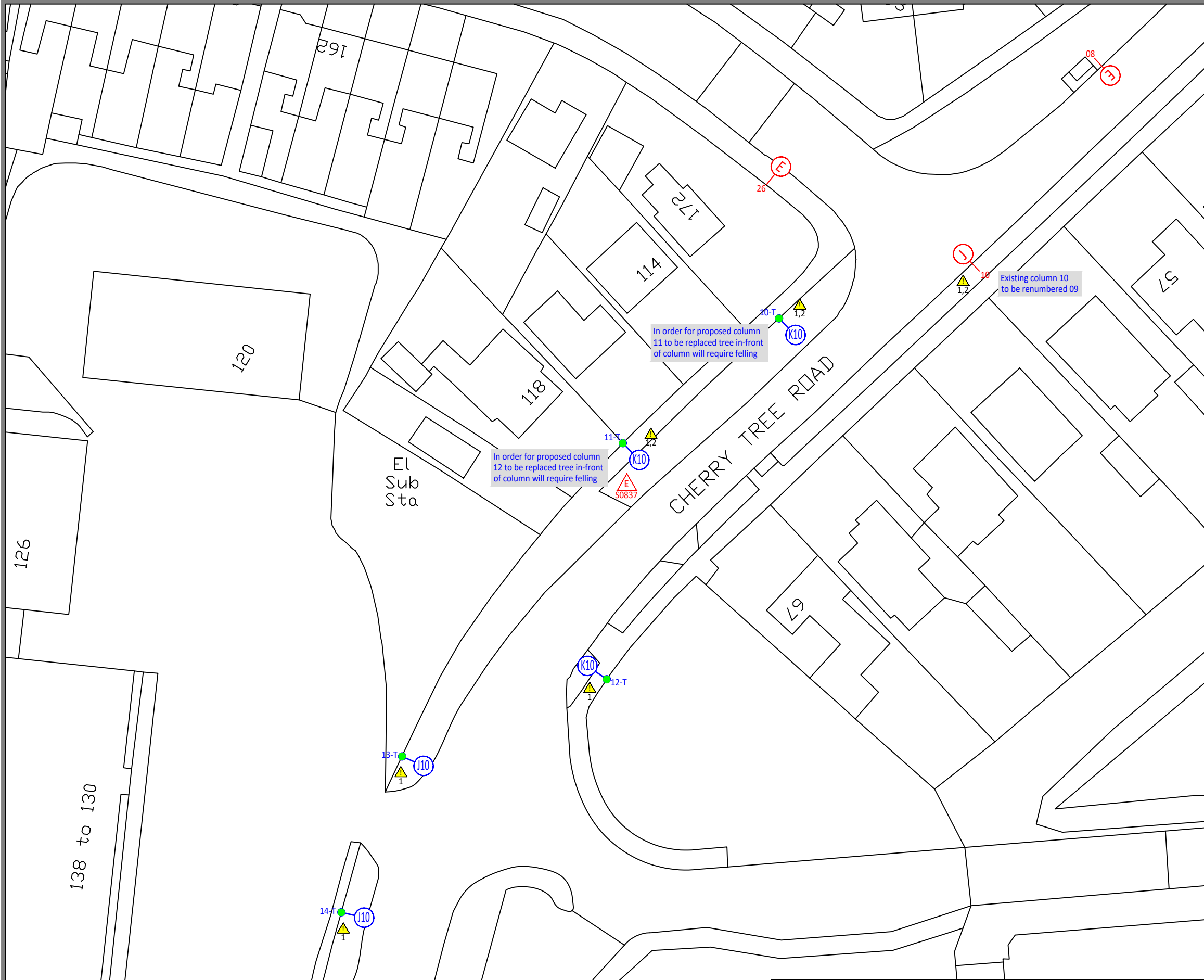
Client BLACKPOOL BOROUGH COUNCIL

Project BLACKPOOL STREET LIGHTING PFI AIP YEAR 6 (PART 1)

Title PROPOSED STREET LIGHTING LOCATIONS 2 of 7

Dwg No. BLK-AIP-YR6-P1-02					Rev	P1
Scales 1:500 @ A1					Date	17.02.23
Desigr	MK	Drawn	MK	Checked	SJA	Appd SJA



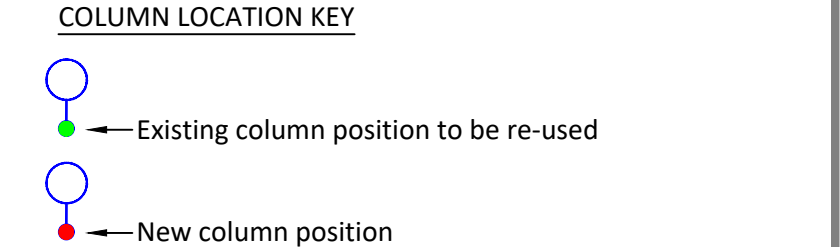


**LIGHTING KEY**

- Proposed ALC conical aluminium road lighting column of 6m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane S-Line 23W 3.08km LED 4000k luminaire (Optic setting: A2), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - SLI.2.LA034.A2.W023.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 6m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane S-Line 41W 5.92klm LED 4000k luminaire (Optic setting: A2), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - SLI.2.LA064.A2.W041.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 10m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 41W 7.81km LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - VMX.2.LA084.V2.F4Q1.W050.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 10m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 65W 9.71klm LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - VMX.2.LA094.V2.F4Q1.W065.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 10m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 80W 11.39klm LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - VMX.2.LA114.V2.F4Q1.W080.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 10m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 100W 13.33klm LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - VMX.2.LA124.V2.F4Q1.W100.PT1.T7.LRD.CL8.L007
- Lantern replacement only - Replace existing lantern with post top mounted @ 0° tilt Holophane Vmax 50W 7.81klm LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - VMX.2.LA084.V2.F4Q1.W050.PT1.T7.LRD.CL8.L007
- Lantern replacement only - Replace existing lantern with post top mounted @ 0° tilt Holophane Vmax 65W 9.71klm LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - VMX.2.LA094.V2.F4Q1.W065.PT1.T7.LRD.CL8.L007
- Existing street lighting column to remain
- Existing street lighting column and lantern to be taken down and removed off site
- Existing illuminated sign pole to remain
- Existing illuminated bollard to remain
- Proposed \*mm<sup>2</sup> \*core xipe/pvc/swa/pvc supply cable installed in 50mmØ orange street lighting underground service duct (for cable CSA and core no. see cable schematic dwg no. BLK-AIP-YR6-P1-08-09)
- Existing street lighting supply cable to remain
- 1-T • Proposed column number & connection type
- T • Transfer of existing service to new column via RED ducting to ENW specification, including Tofco double pole cut out positioned to the bottom of the door aperture as per Eon standard detail dwg no. 14.26
- C • Proposed Private Cable Network Connection via Orange ducting to BBC specification, including a double pole cut out positioned to the bottom of the door aperture as per Eon standard detail drawing number 14.26 Rev A
- Significant Residual Risks
  - 1.Underground high voltage (HV) cables are present in vicinity
  - 2.Overhead BT cables are present in vicinity

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    - 13.03 - Installation of street lighting columns.
    - 13.10 - Column door alignment.
    - 14.01 Rev a to 14.06 Rev a - Termination types L1 to L6
    - 14.08 Rev A - Termination Type L8
    - 14.26 - Base compartment general arrangement Rev A
    - 14.27 - Column and sign numbering detail
    - 14.28 - Termination labels in base compartment
    - 14.42 - Feeder pillar type b (up to 6 outgoing circuits)
    - 14.44 - Feeder pillar type d (up to 2 outgoing circuits)
    - 14.50 - Earth pit and electrodes
    - 14.51 - Under ground ducts
    - 14.52 - Cable access chambers
    - 14.53 - Splitter islands (signs plus bollards)
    - 14.54 - Splitter islands (bollards only)



**Revisions**

Rev	Details	By	Date

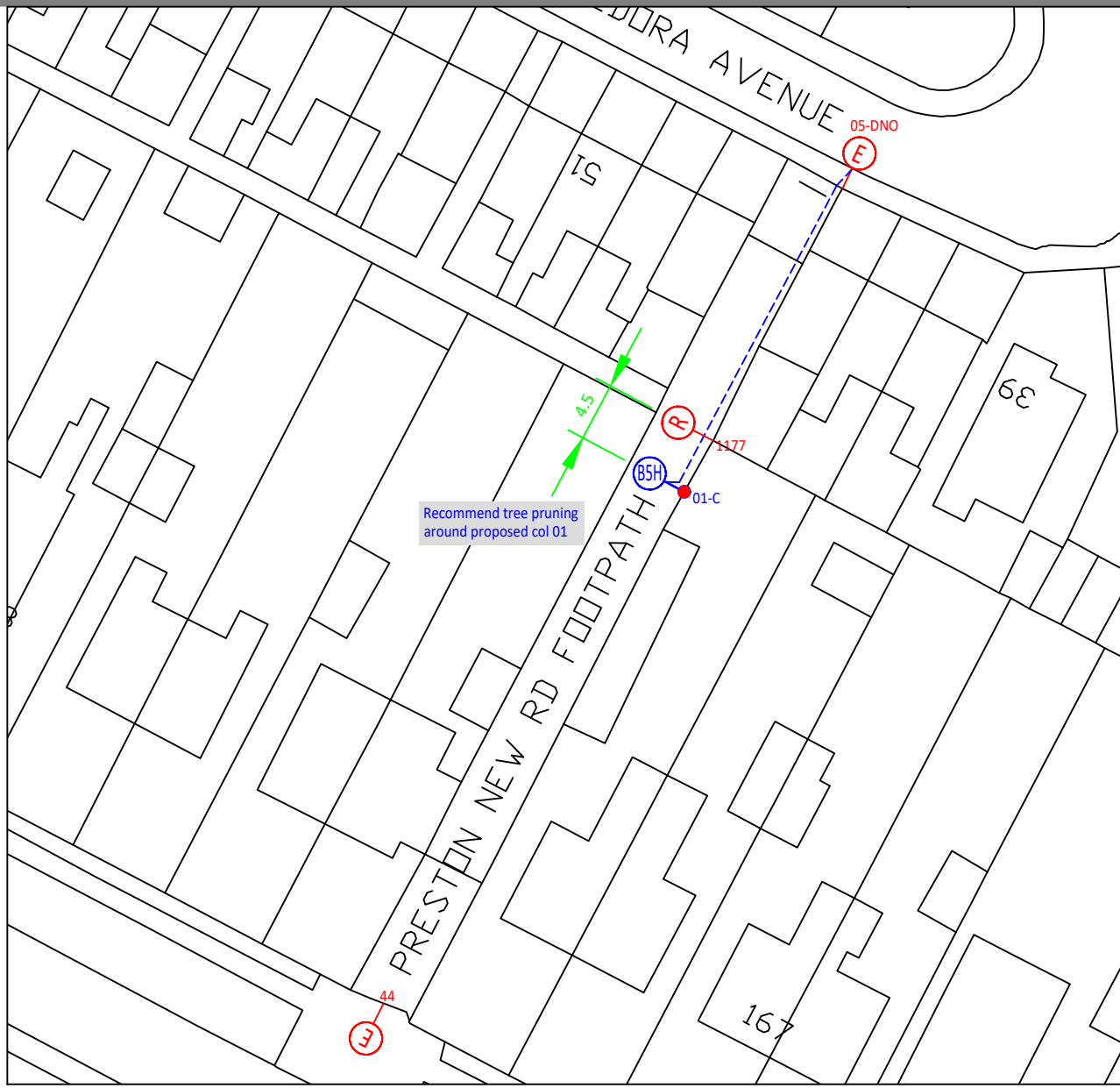
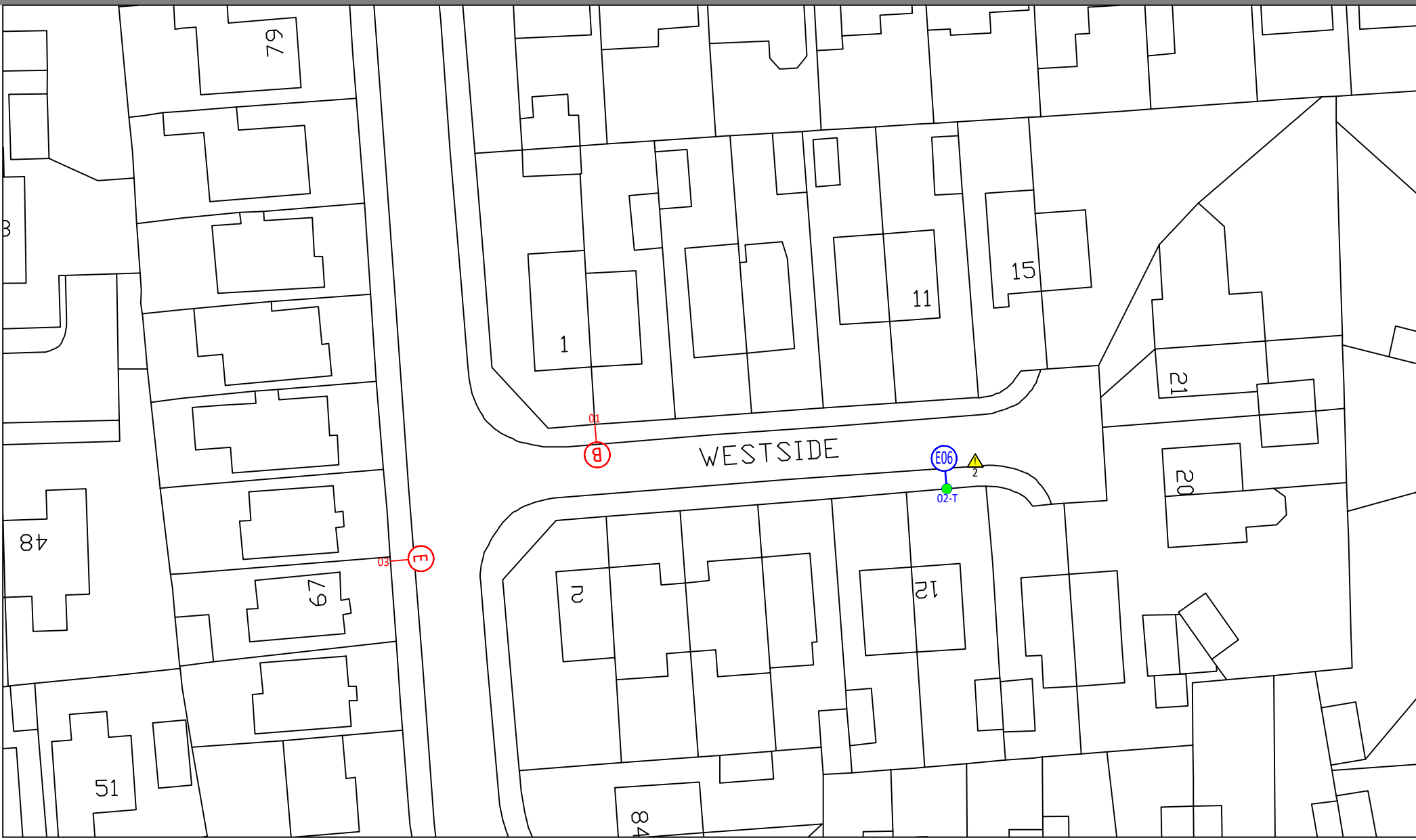
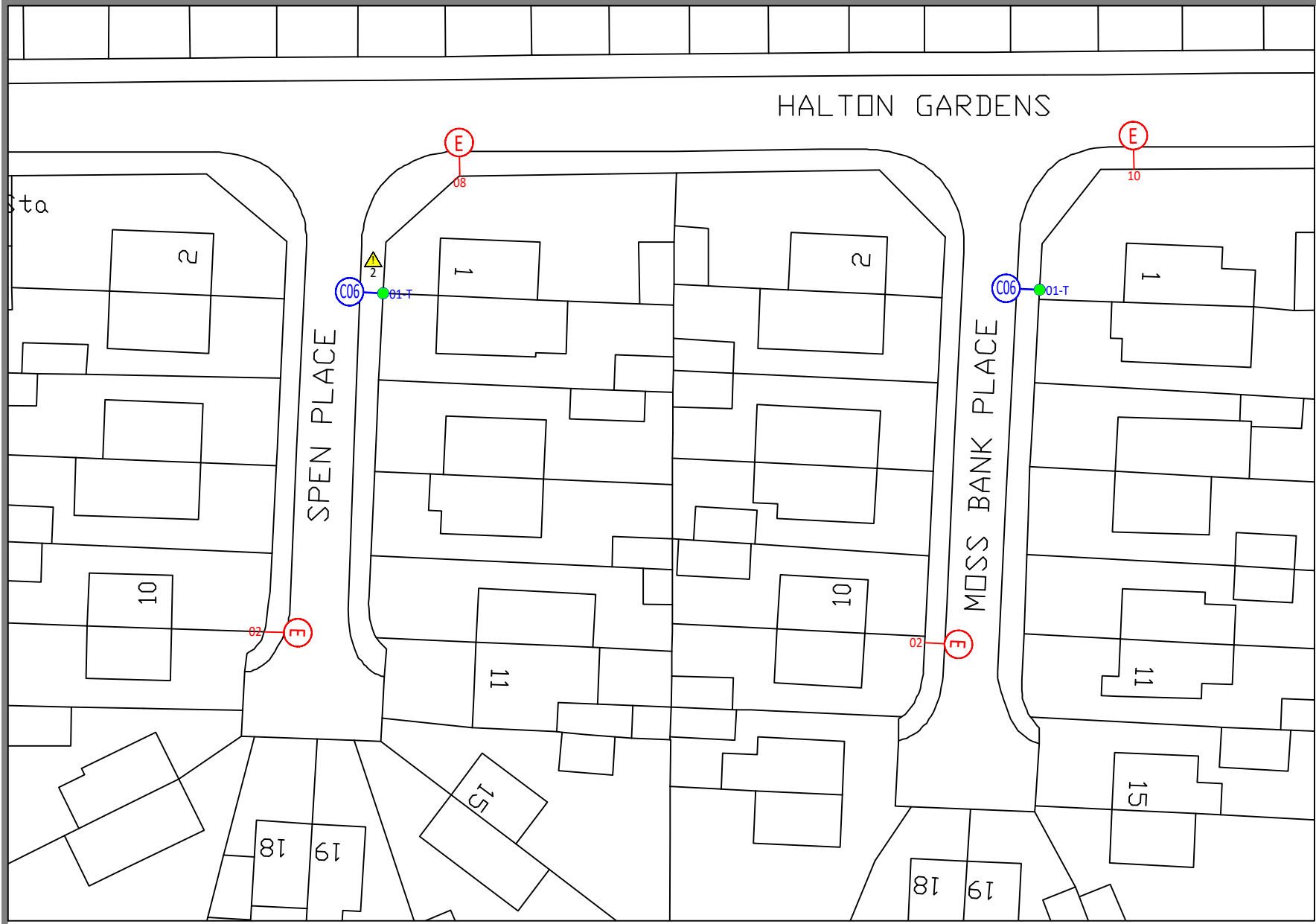
Roads included on layout: Cherry Tree Road, Holbeck Avenue & Pavey Close

**DRAWING ISSUED FOR COMMENT**

lightingdesign@eon-uk.com

Client	BLACKPOOL BOROUGH COUNCIL						
Project	BLACKPOOL STREET LIGHTING PFI AIP YEAR 6 (PART 1)						
Title	PROPOSED STREET LIGHTING LOCATIONS 3 of 7						
Dwg No.	BLK-AIP-YR6-P1-03	Rev	P1				
Scales	1:500 @ A1	Date	17.02.23				
Desigr	MK	Drawn	MK	Checked	SJA	Appd	SJA





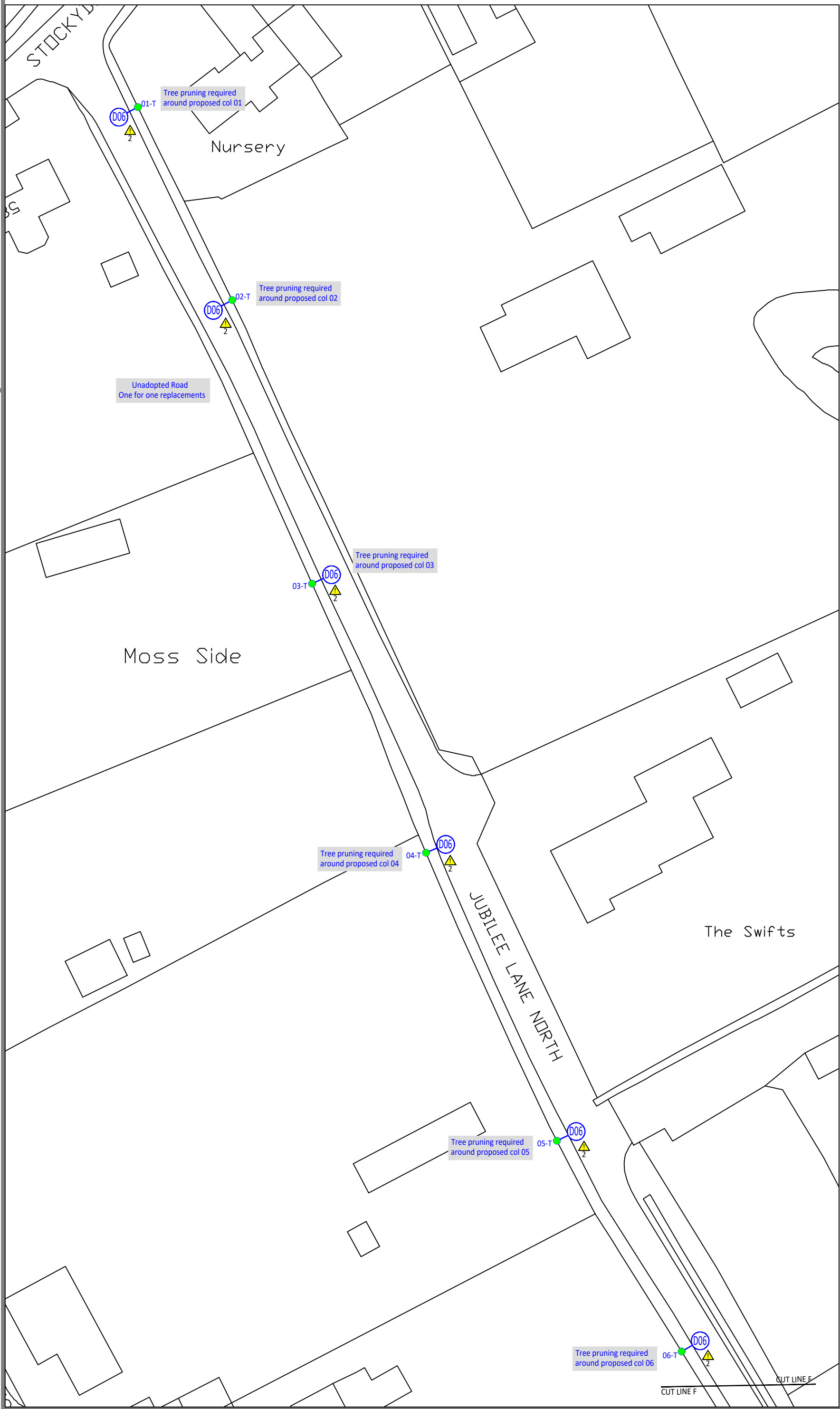
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  - 13.03 - Installation of street lighting columns.
  - 13.10 - Column door alignment.
  - 14.01 Rev a to 14.06 Rev a - Termination types L1 to L6
  - 14.08 Rev A - Termination Type L8
  - 14.26 - Base compartment general arrangement Rev A
  - 14.27 - Column and sign numbering detail
  - 14.28 - Termination labels in base compartment
  - 14.42 - Feeder pillar type b (up to 6 outgoing circuits)
  - 14.44 - Feeder pillar type d (up to 2 outgoing circuits)
  - 14.50 - Earth pit and electrodes
  - 14.51 - Under ground ducts
  - 14.52 - Cable access chambers
  - 14.53 - Splitter islands (signs plus bollards)
  - 14.54 - Splitter islands (bollards only)

#### COLUMN LOCATION KEY

- Existing column position to be re-used
- New column position



#### LIGHTING KEY

- Proposed mid hinged road lighting column of 5m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane S-Line 16W 2.16klm LED 4000k luminaire (Optic setting: A2), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - SLI.2.LA034.A2.W016.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 6m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane S-Line 23W 3.08klm LED 4000k luminaire (Optic setting: A2), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - SLI.2.LA034.A2.W023.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 6m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane S-Line 28W 4.14klm LED 4000k luminaire (Optic setting: HE.A2), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - SLI.2.LA054.HE.A2.W028.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 6m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane S-Line 36W 5.24klm LED 4000k luminaire (Optic setting: A2), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - SLI.2.LA064.A2.W036.PT1.T7.LRD.CL8.L007
- Lantern replacement only - Replace existing lantern with post top mounted @ 0° tilt Holophane S-Line 16W 2.16klm LED 4000k luminaire (Optic setting: A2), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - SLI.2.LA034.A2.W016.PT1.T7.LRD.CL8.L007
- Existing street lighting column to remain
- Existing street lighting column and lantern to be taken down and removed off site
- Existing illuminated sign pole to remain
- Existing illuminated bollard to remain
- Proposed \*mm\* \*core xipe/pvc/swa/pvc supply cable installed in 50mmØ orange street lighting underground service duct (for cable CSA and core no. see cable schematic dwg no. BLK-AIP-YR6-P1-08-09)
- Proposed column number & connection type
- Transfer of existing service to new column via RED ducting to ENW specification, including Tofco double pole cut out positioned to the bottom of the door aperture as per Eon standard detail dwg no. 14.26
- Proposed Private Cable Network Connection via Orange ducting to BBC specification, including a double pole cut out positioned to the bottom of the door aperture as per Eon standard detail drawing number 14.26 Rev A
- Existing Distribution Network Operator Service
- Significant Residual Risks
  - Underground high voltage (HV) cables are present in vicinity
  - Overhead BT cables are present in vicinity

#### Revisions

Rev	Details	By	Date

Roads included on layout: Jubilee Lane North, Moss Bank Place, Preston New Road Footpath, Spen Place & Westside

#### DRAWING ISSUED FOR COMMENT

**e-on**  
Lighting & Grid  
lightingdesign@eon-uk.com

Client BLACKPOOL BOROUGH COUNCIL

Project BLACKPOOL STREET LIGHTING PFI AIP YEAR 6 (PART 1)

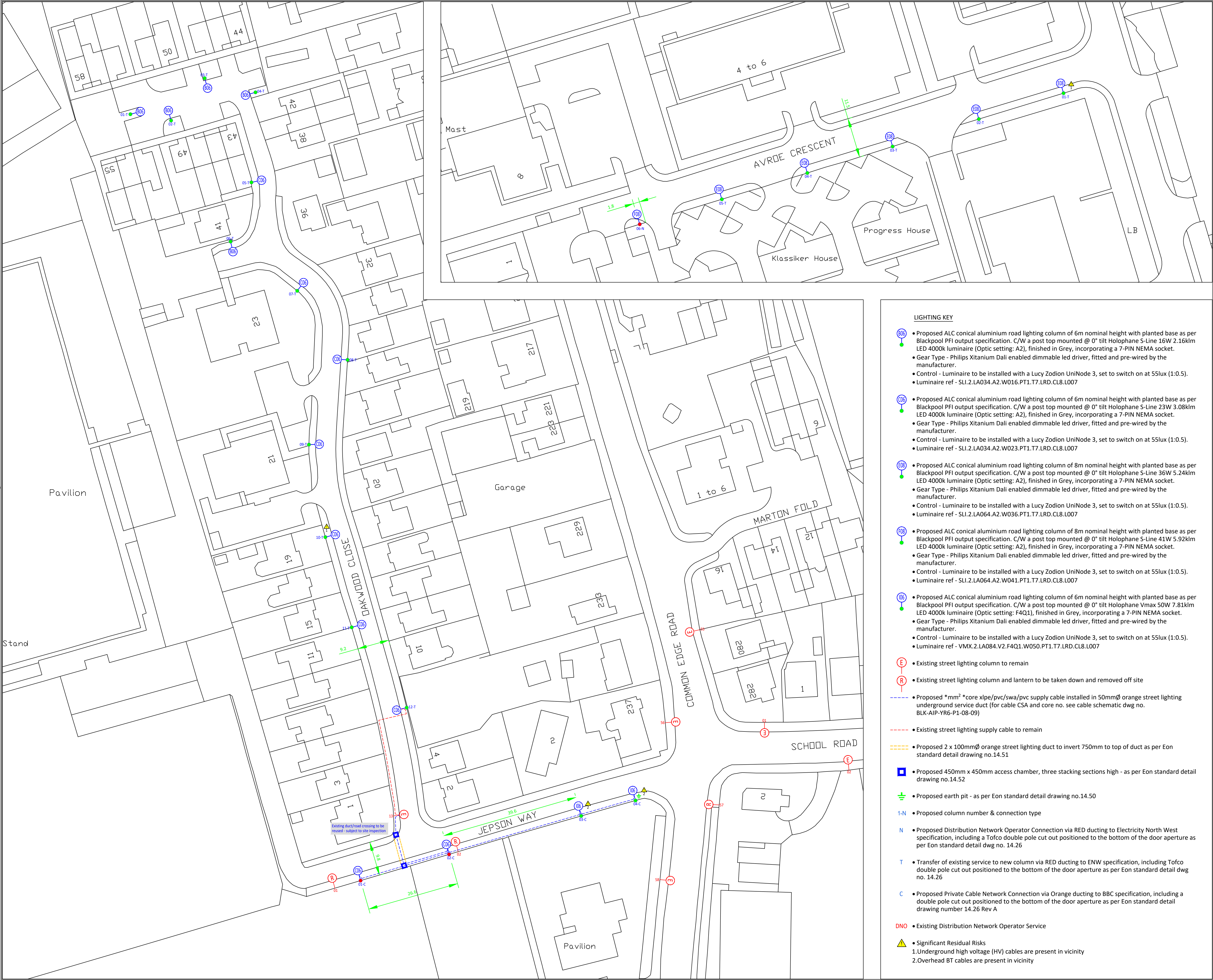
Title PROPOSED STREET LIGHTING LOCATIONS 4 of 7

Dwg No. BLK-AIP-YR6-P1-04	Rev P1
Scales 1:500 @ A1	Date 17.02.23
Desigr MK	Drawn MK
Checked SJA	Appd SJA









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NOTES

- This design has been prepared in accordance with the HEMSA guidance note - CDM2015 Regulations.
- All works to be completed fully compliant with the following eon standard detail drawings:
  - 13.03 - Installation of street lighting columns.
  - 13.10 - Column door alignment.
  - 14.01 Rev a to 14.06 Rev a - Termination types L1 to L6
  - 14.08 Rev A - Termination Type L8
  - 14.26 - Base compartment general arrangement Rev A
  - 14.27 - Column and sign numbering detail
  - 14.28 - Termination labels in base compartment
  - 14.42 - Feeder pillar type b (up to 6 outgoing circuits)
  - 14.44 - Feeder pillar type d (up to 2 outgoing circuits)
  - 14.50 - Earth pit and electrodes
  - 14.51 - Under ground ducts
  - 14.52 - Cable access chambers
  - 14.53 - Splitter islands (signs plus bollards)
  - 14.54 - Splitter islands (bollards only)

COLUMN LOCATION KEY

- Existing column position to be re-used
- New column position

LIGHTING KEY

- Proposed ALC conical aluminium road lighting column of 6m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane S-Line 16W 2.16klm LED 4000k luminaire (Optic setting: A2), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - SLI.2.LA034.A2.W016.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 6m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane S-Line 23W 3.08klm LED 4000k luminaire (Optic setting: A2), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - SLI.2.LA034.A2.W023.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 8m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane S-Line 36W 5.24klm LED 4000k luminaire (Optic setting: A2), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - SLI.2.LA064.A2.W036.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 8m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane S-Line 41W 5.92klm LED 4000k luminaire (Optic setting: A2), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - SLI.2.LA064.A2.W041.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 6m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 50W 7.81klm LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - VMX.2.LA084.V2.F4Q1.W050.PT1.T7.LRD.CL8.L007
- Existing street lighting column to remain
- Existing street lighting column and lantern to be taken down and removed off site
- Proposed \*mm² \*core xlpe/pvc/swa/pvc supply cable installed in 50mmØ orange street lighting underground service duct (for cable CSA and core no. see cable schematic dwg no. BLK-AIP-YR6-P1-08-09)
- Existing street lighting supply cable to remain
- Proposed 2 x 100mmØ orange street lighting duct to invert 750mm to top of duct as per Eon standard detail drawing no.14.51
- Proposed 450mm x 450mm access chamber, three stacking sections high - as per Eon standard detail drawing no.14.52
- Proposed earth pit - as per Eon standard detail drawing no.14.50
- Proposed column number & connection type
- Proposed Distribution Network Operator Connection via RED ducting to Electricity North West specification, including a Tofco double pole cut out positioned to the bottom of the door aperture as per Eon standard detail dwg no. 14.26
- Transfer of existing service to new column via RED ducting to ENW specification, including Tofco double pole cut out positioned to the bottom of the door aperture as per Eon standard detail dwg no. 14.26
- Proposed Private Cable Network Connection via Orange ducting to BBC specification, including a double pole cut out positioned to the bottom of the door aperture as per Eon standard detail drawing number 14.26 Rev A
- Existing Distribution Network Operator Service
- Significant Residual Risks
  - 1.Underground high voltage (HV) cables are present in vicinity
  - 2.Overhead BT cables are present in vicinity

Revisions

Rev	Details	By	Date

Roads included on layout: Avroe Crescent, Jepson Way & Oakwood Close

DRAWING ISSUED FOR COMMENT

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✉ lightingdesign@eon-uk.com

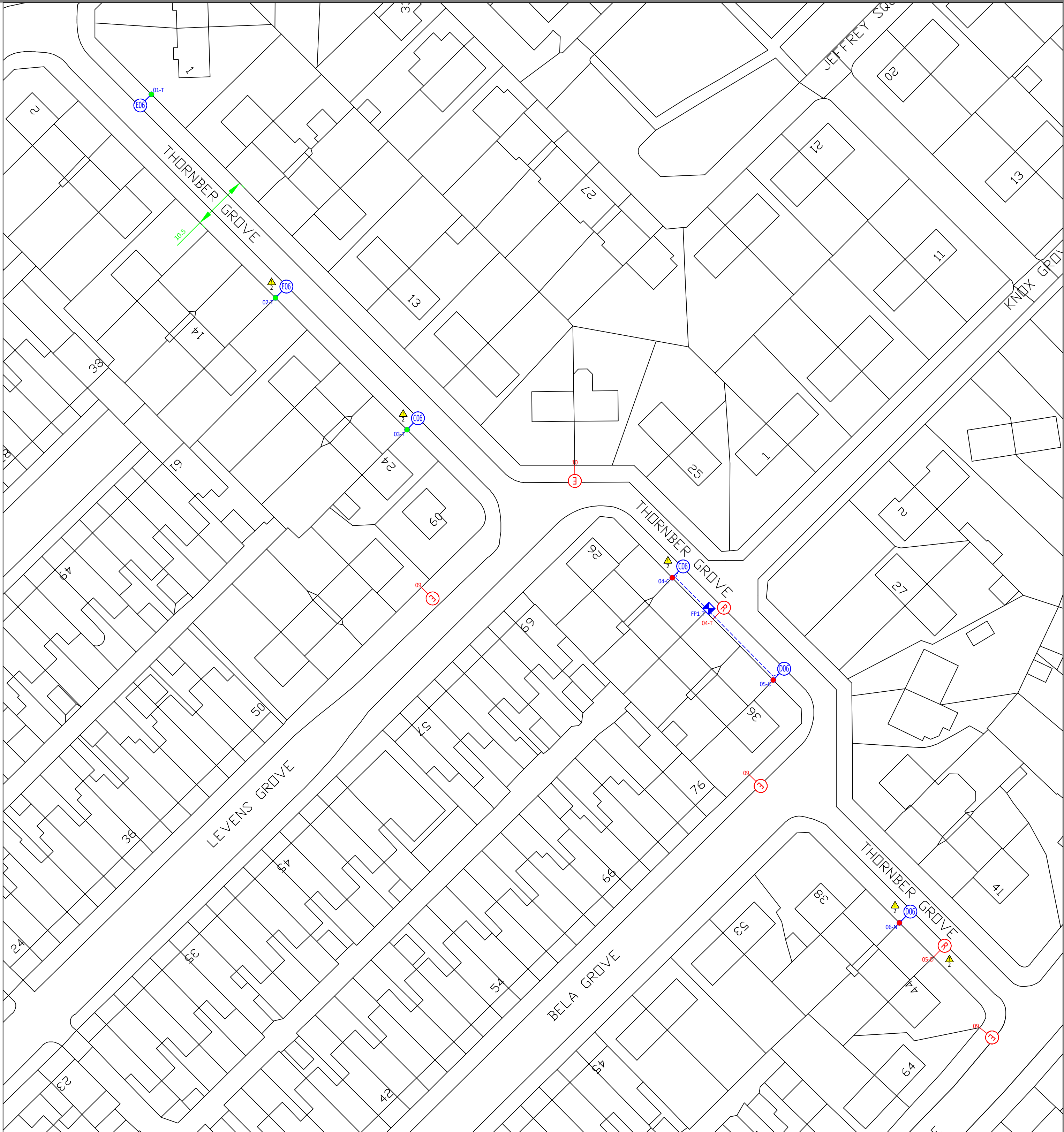
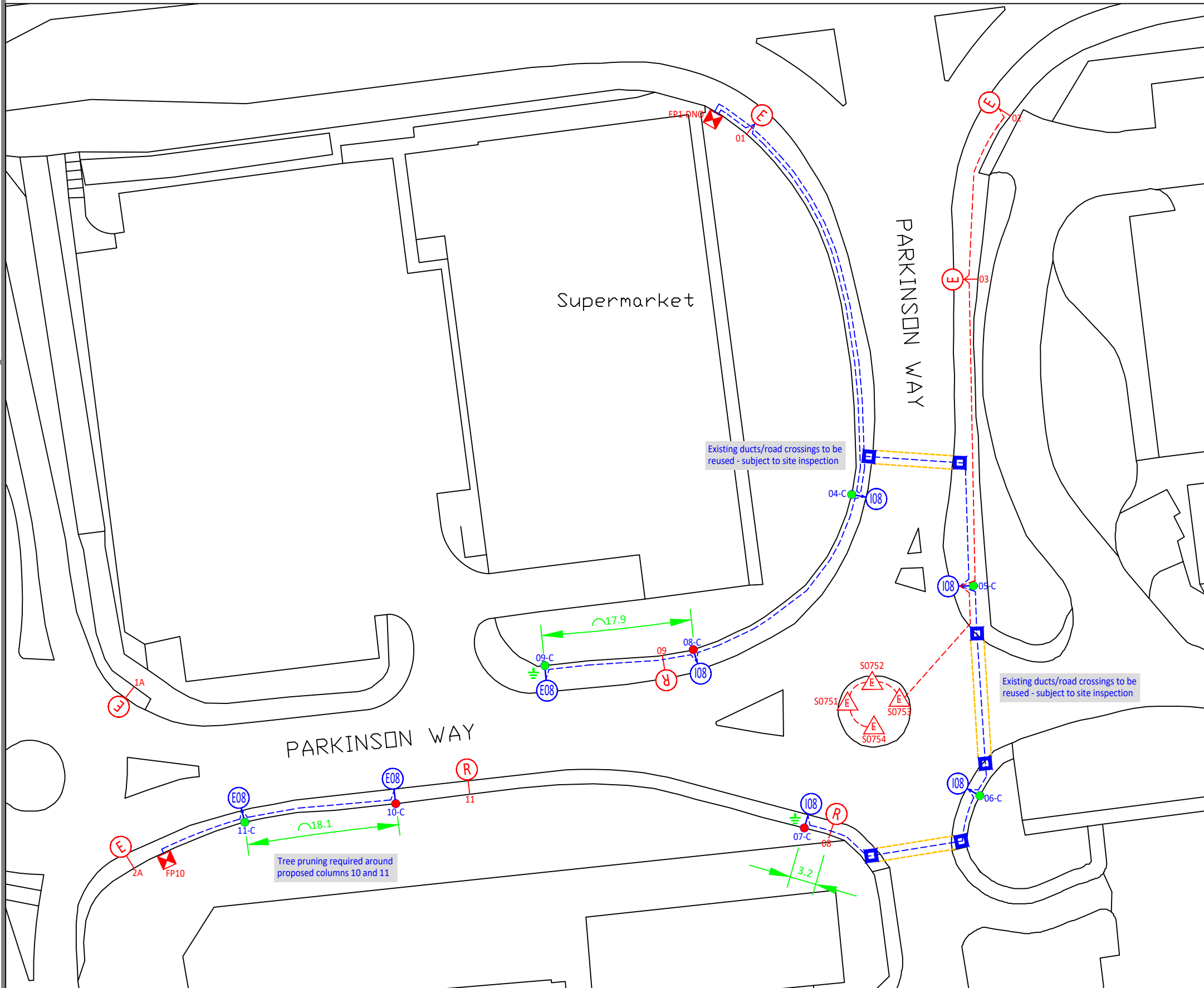
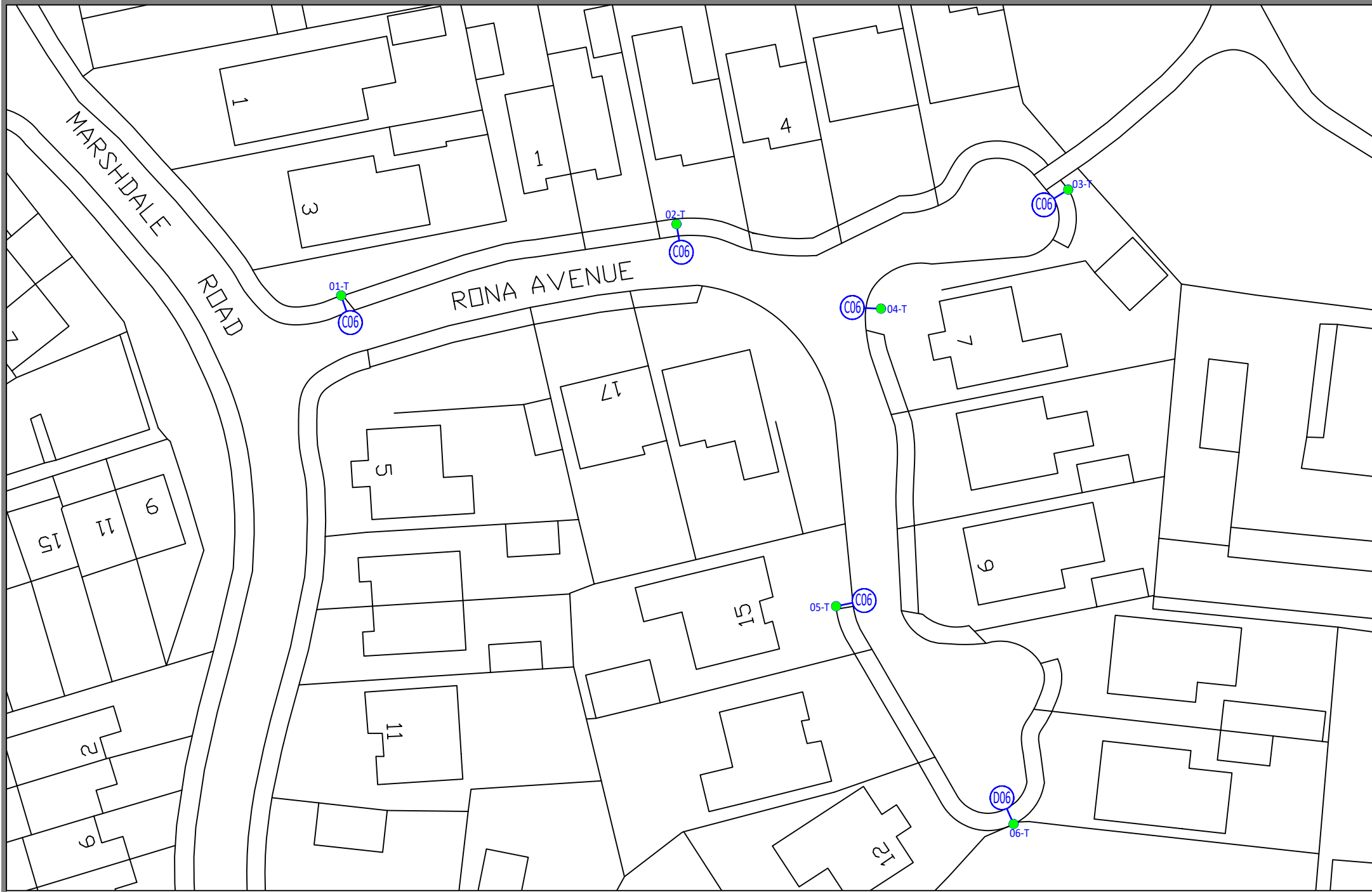
Client BLACKPOOL BOROUGH COUNCIL

Project BLACKPOOL STREET LIGHTING PFI AIP YEAR 6 (PART 1)

Title PROPOSED STREET LIGHTING LOCATIONS 6 of 7

Dwg No. BLK-AIP-YR6-P1-06				Rev	P1
Scales 1:500 @ A1				Date	17.02.23
Desigr	MK	Drawn	MK	Checked	SJA
				Appd	SJA





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NOTES

- This design has been prepared in accordance with the HEMSA guidance note - CDM2015 Regulations.
- All works to be completed fully compliant with the following eon standard detail drawings:
  - 13.03 - Installation of street lighting columns.
  - 13.10 - Column door alignment.
  - 14.01 Rev a to 14.06 Rev a - Termination types L1 to L6
  - 14.08 Rev A - Termination Type L8
  - 14.26 - Base compartment general arrangement Rev A
  - 14.27 - Column and sign numbering detail
  - 14.28 - Termination labels in base compartment
  - 14.42 - Feeder pillar type b (up to 6 outgoing circuits)
  - 14.44 - Feeder pillar type d (up to 2 outgoing circuits)
  - 14.50 - Earth pit and electrodes
  - 14.51 - Under ground ducts
  - 14.52 - Cable access chambers
  - 14.53 - Splitter islands (signs plus bollards)
  - 14.54 - Splitter islands (bollards only)

COLUMN LOCATION KEY

- Existing column position to be re-used
- New column position

Revisions

Rev	Details	By	Date

Roads included on layout: Parkinson Way, Rona Avenue, Thorner Grove

DRAWING ISSUED FOR COMMENT



Client	BLACKPOOL BOROUGH COUNCIL		
Project	BLACKPOOL STREET LIGHTING PFI AIP YEAR 6 (PART 1)		
Title	PROPOSED STREET LIGHTING LOCATIONS 7 of 7		
Dwg No.	BLK-AIP-YR6-P1-07	Rev	P1
Scales	1:500 @ A1	Date	17.02.23
Desigr	MK	Drawn	MK
	Checked	SJA	Appd SJA

LIGHTING KEY

- Proposed ALC conical aluminium road lighting column of 6m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane S-Line 23W 3.08km LED 4000k luminaire (Optic setting: A2), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - SLI.2.LA034.A2.W023.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 6m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane S-Line 36W 5.24km LED 4000k luminaire (Optic setting: A2), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - SLI.2.LA064.A2.W036.PT1.T7.LRD.CL8.L007
- Proposed ALC conical aluminium road lighting column of 8m nominal height with planted base as per Blackpool PFI output specification. C/W a post top mounted @ 0° tilt Holophane Vmax 50W 7.81km LED 4000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
  - Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
  - Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire ref - VMX.2.LA084.V2.F4Q1.W050.PT1.T7.LRD.CL8.L007
- Existing street lighting column to remain
- Existing street lighting column and lantern to be taken down and removed off site
- Existing illuminated sign pole to remain
- Proposed Ritherdon stainless steel mini feeder pillar

- Existing feeder pillar to remain
- Proposed \*mm<sup>2</sup> \*core xlp/pcv/swa/pvc supply cable installed in 50mmØ orange street lighting underground service duct (for cable CSA and core no. see cable schematic dwg no. BLK-AIP-YR6-P1-08-09)
- Existing street lighting supply cable to remain
- Proposed 2 x 100mmØ orange street lighting duct to invert 750mm to top of duct as per Eon standard detail drawing no.14.51
- Proposed 450mm x 450mm access chamber, three stacking sections high - as per Eon standard detail drawing no.14.52
- Proposed earth pit - as per Eon standard detail drawing no.14.50

- Proposed column number & connection type
- Proposed Distribution Network Operator Connection via RED ducting to Electricity North West specification, including a Tofco double pole cut out positioned to the bottom of the door aperture as per Eon standard detail dwg no. 14.26
- Transfer of existing service to new column via RED ducting to ENW specification, including Tofco double pole cut out positioned to the bottom of the door aperture as per Eon standard detail dwg no. 14.26
- Proposed Private Cable Network Connection via Orange ducting to BBC specification, including a double pole cut out positioned to the bottom of the door aperture as per Eon standard detail drawing number 14.26 Rev A
- Distribution Network Operator Disconnection
- Significant Residual Risks
  - 1.Underground high voltage (HV) cables are present in vicinity
  - 2.Overhead BT cables are present in vicinity



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KEY

- Proposed lighting column  
○ Existing lighting column  
△ Existing illuminated sign pole  
□ Existing illuminated bollard  
— Proposed supply cable  
— Existing supply cable  
⏏ Earth pit  
## ← Denotes item number  
T# ← Denotes cutout type

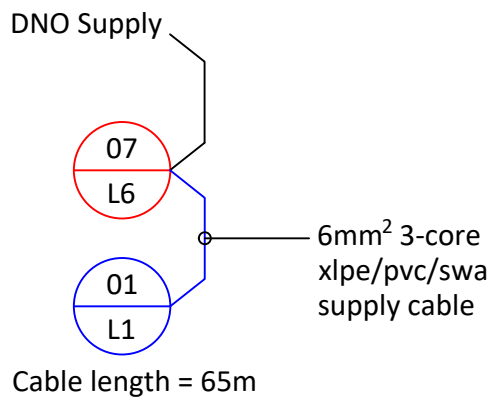
TERMINATION TYPES

- L1. Single PCN  
L2. Looped PCN  
L3. Single PCN + fused spur  
L4. Looped PCN + fused spur  
L5. DNO  
L6. DNO + fused spur  
L8. DNO + 2no fused spurs

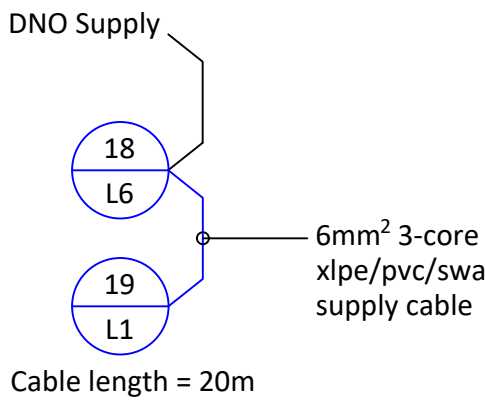
Termination fuse ratings shall be as follows:

- Lighting columns - 6A BS88
- Illuminated sign pole - 4A BS88
- Outgoing sub-fuse - 10A BS88

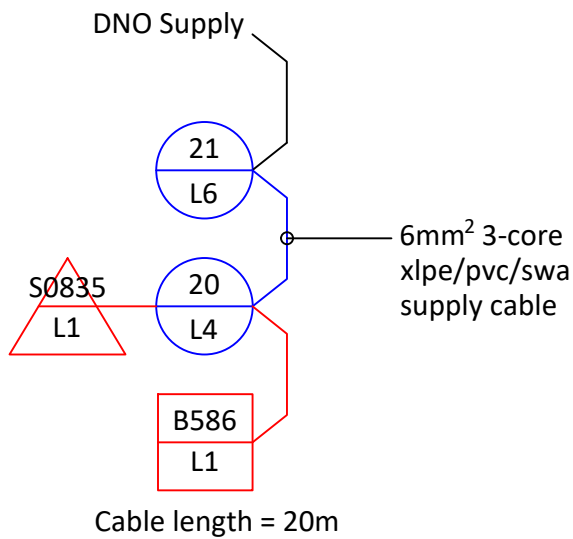
Back Alexandra Road



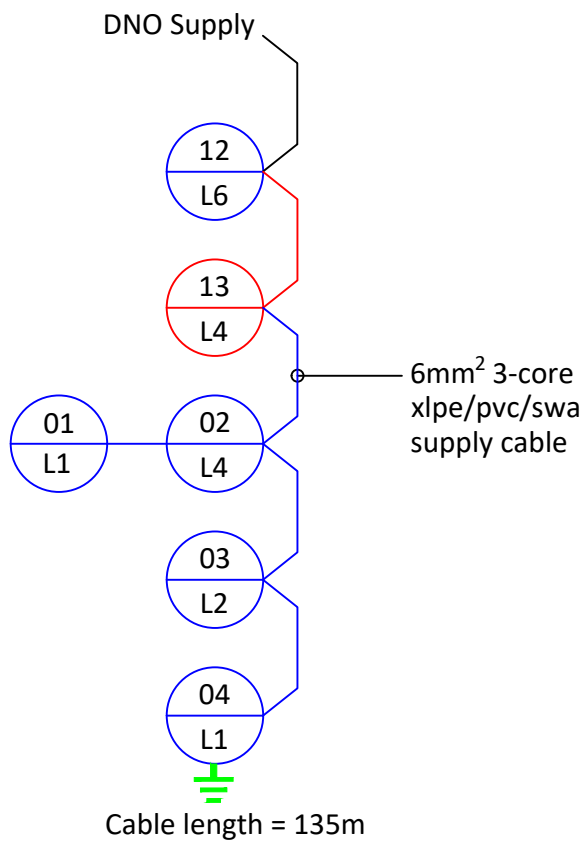
Cherry Tree Road



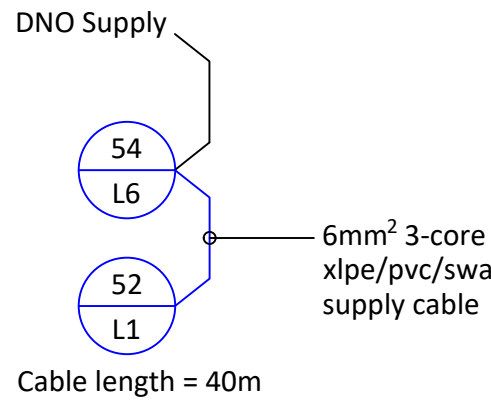
Cherry Tree Road



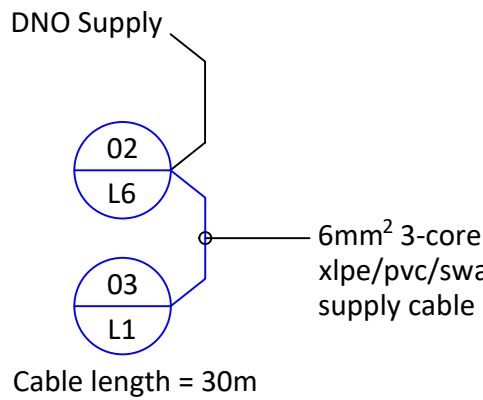
Jepson Way



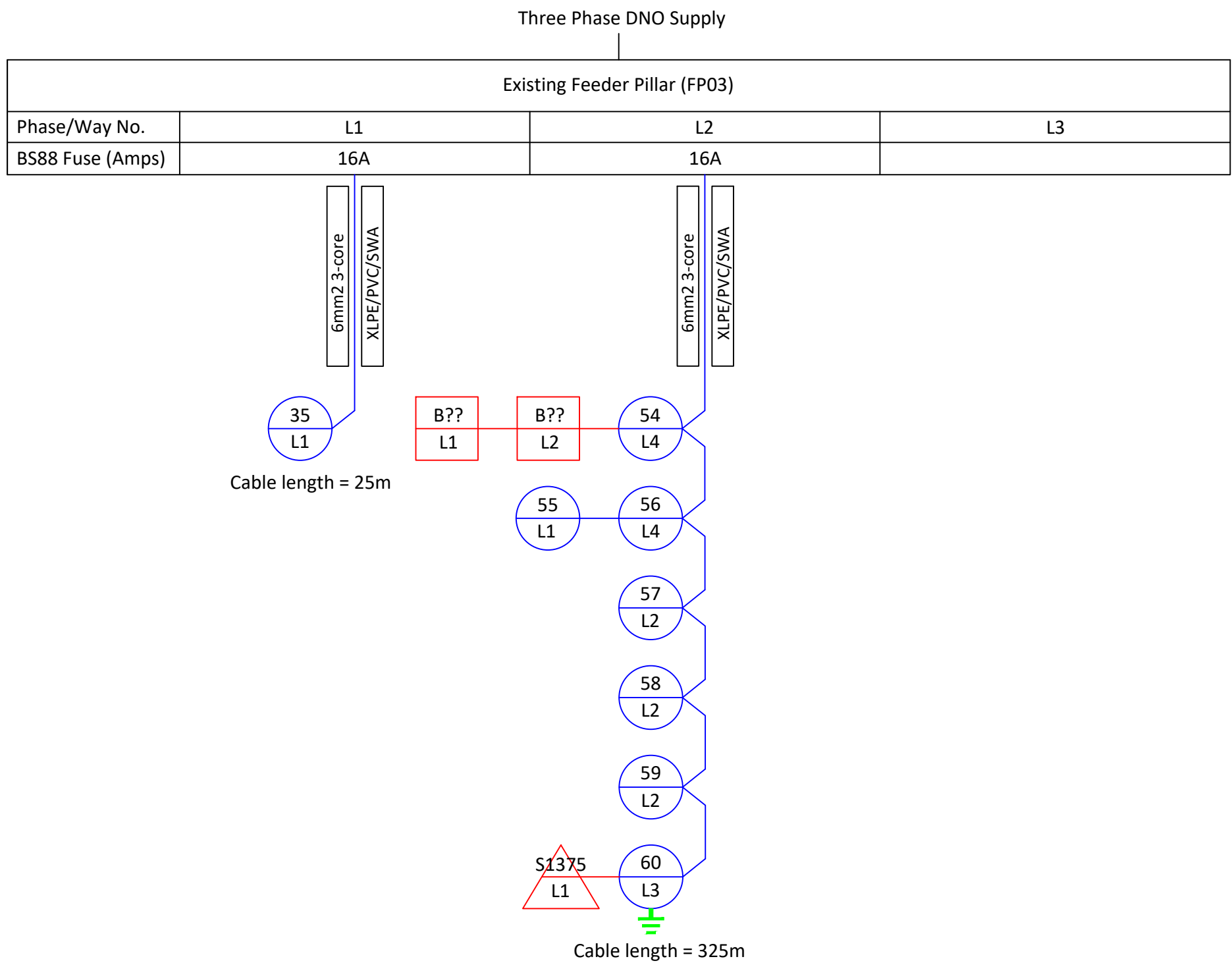
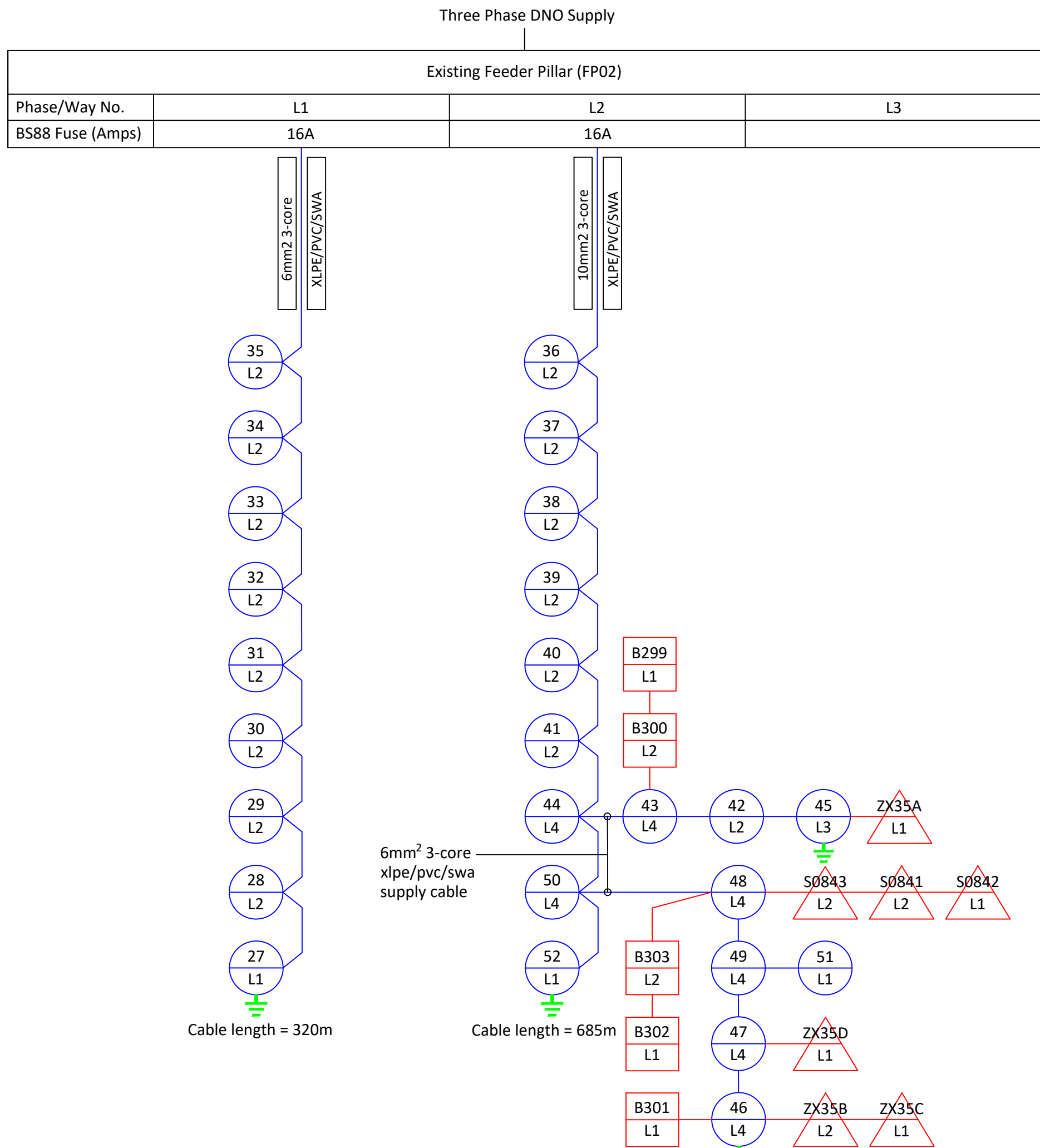
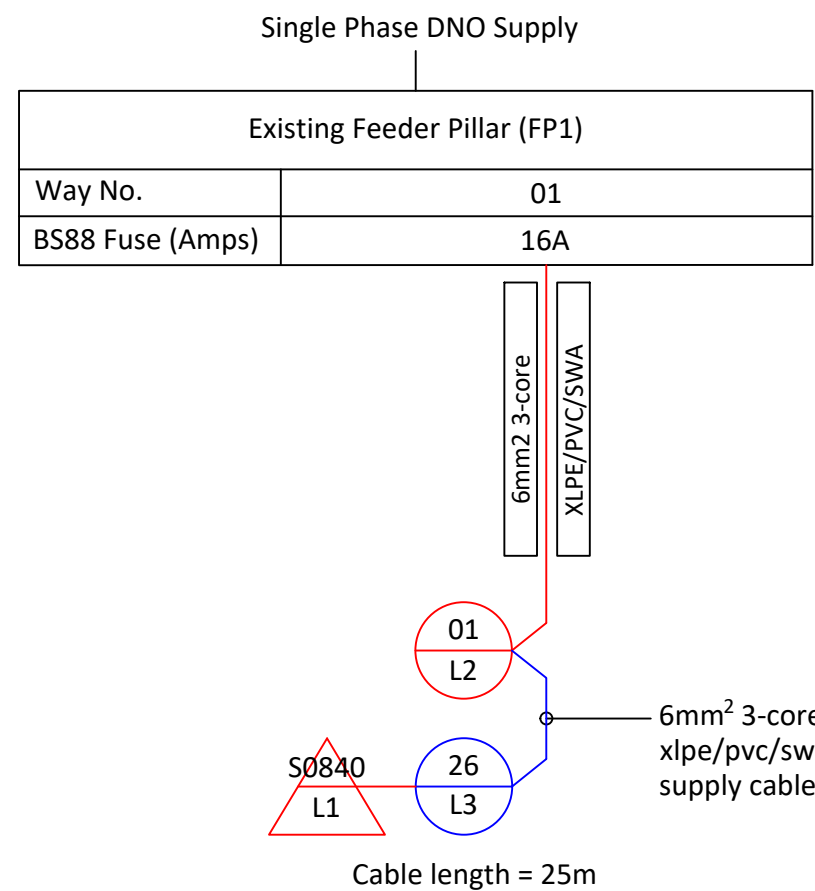
Preston New Road



Squires Gate Substation



Clifton Road



NOTES

- This design has been prepared in accordance with the HEMSA guidance note - CDM2015 Regulations.
- All works to be completed fully compliant with the following eon standard detail drawings:
  - 13.03 - Installation of street lighting columns.
  - 13.10 - Column door alignment.
  - 14.01 Rev a to 14.06 Rev a - Termination types L1 to L6
  - 14.08 Rev A - Termination Type L8
  - 14.26 - Base compartment general arrangement Rev A
  - 14.27 - Column and sign numbering detail
  - 14.28 - Termination labels in base compartment
  - 14.42 - Feeder pillar type b (up to 6 outgoing circuits)
  - 14.44 - Feeder pillar type d (up to 2 outgoing circuits)
  - 14.50 - Earth pit and electrodes
  - 14.51 - Under ground ducts
  - 14.52 - Cable access chambers
  - 14.53 - Splitter islands (signs plus bollards)
  - 14.54 - Splitter islands (bollards only)

Revisions

Rev	Details	By	Date

DRAWING ISSUED FOR COMMENT

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lightingdesign@eon-uk.com

Client BLACKPOOL BOROUGH COUNCIL










Project BLACKPOOL STREET LIGHTING PFI  
AIP YEAR 6 (PART 1)

Title CABLE SCHEMATIC  
1 of 2

Dwg No.	BLK-AIP-YR6-P1-08	Rev	P1
Scales	NTS	Date	17.02.23
Desigr	MK	Drawn	MK
Checked	SJA	Appd	SJA



KEY

-  Proposed lighting column
-  Existing lighting column
-  Existing illuminated sign pole
-  Existing illuminated bollard
-  Proposed supply cable
-  Existing supply cable
-  Earth pit
-  Denotes item number
-  Denotes cutout type

TERMINATION TYPES

- L1. Single PCN
- L2. Looped PCN
- L3. Single PCN + fused spur
- L4. Looped PCN + fused spur
- L5. DNO
- L6. DNO + fused spur
- L8. DNO + 2no fused spurs

Termination fuse ratings shall be as follows:

- Lighting columns - 6A BS88
- Illuminated sign pole - 4A BS88
- Outgoing sub-fuse - 10A BS88

Revisions

Rev	Details	By	Date

DRAWING ISSUED FOR COMMENT



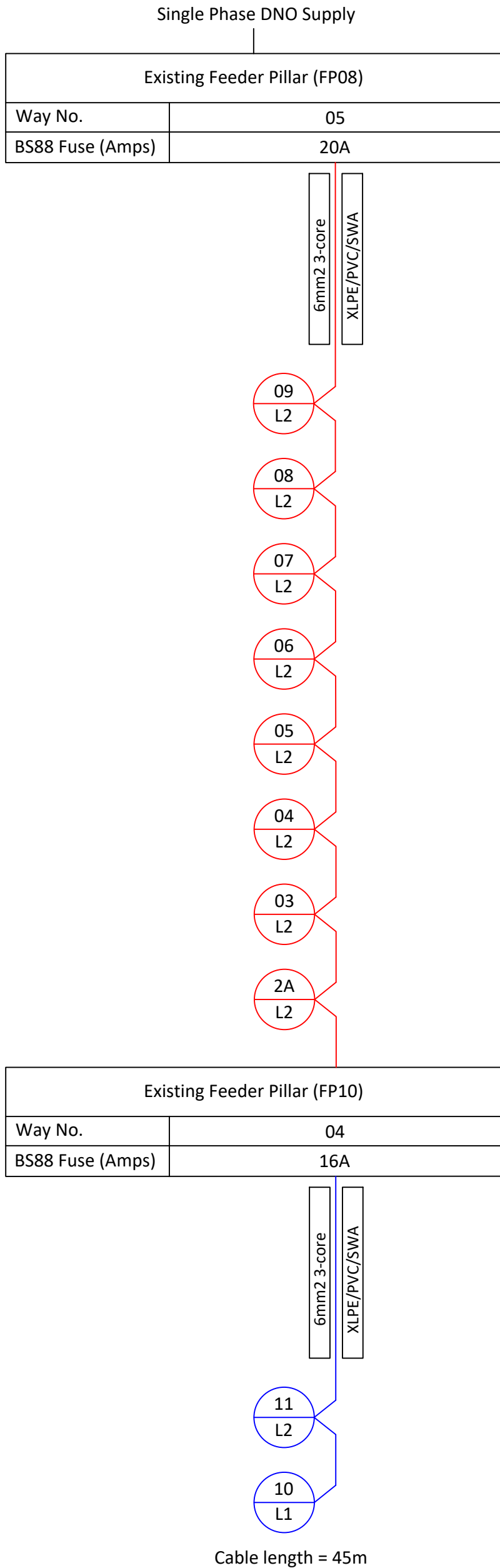
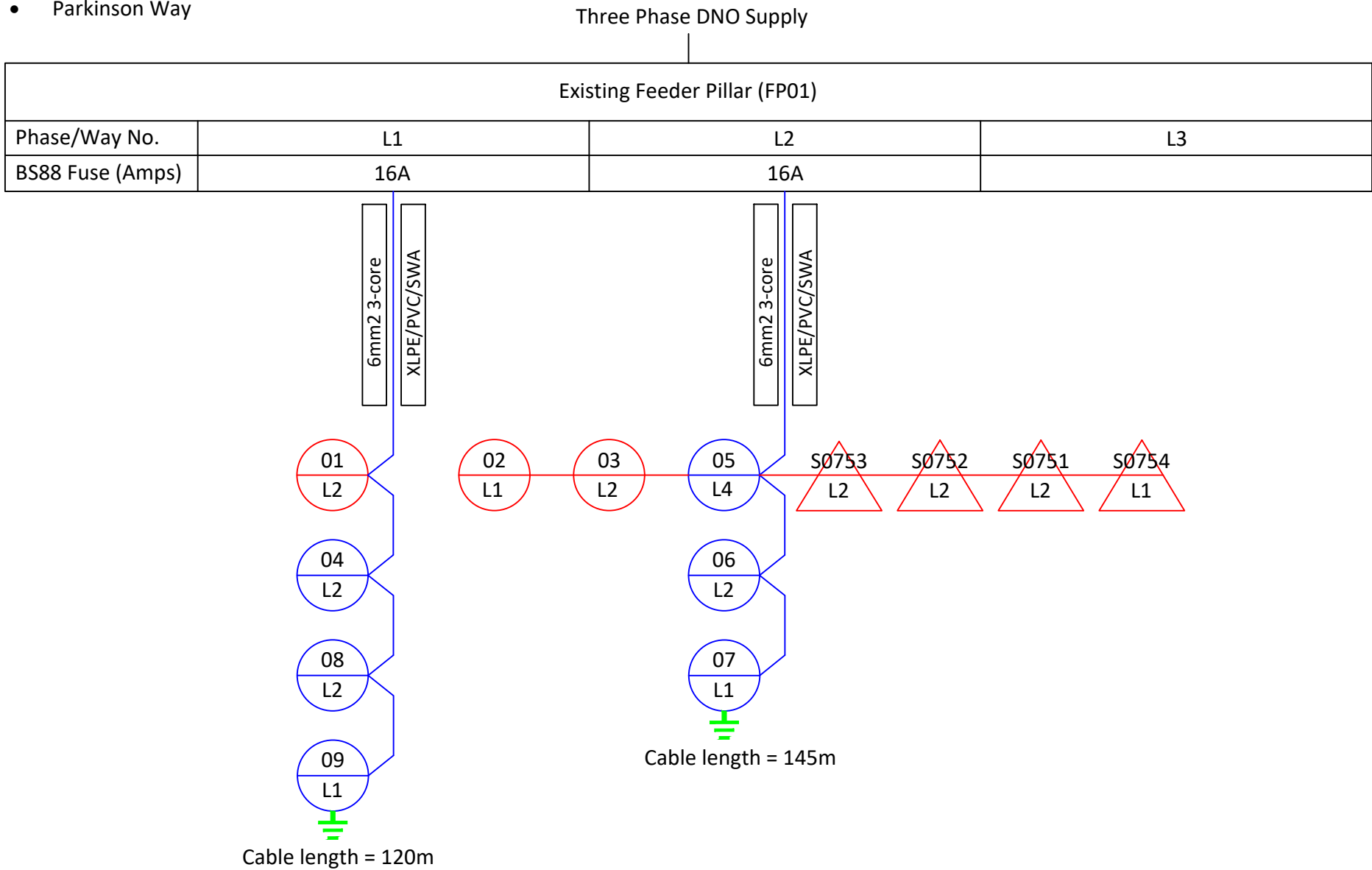
Client BLACKPOOL BOROUGH COUNCIL

Project BLACKPOOL STREET LIGHTING PFI  
AIP YEAR 6 (PART 1)

Title CABLE SCHEMATIC  
2 of 2

Dwrg No.	BLK-AIP-YR6-P1-09	Rev	P1
Scales	NTS	Date	17.02.23
Desigr	MK	Drawn	MK
		Checked	SJA
		Appd	SJA

- Parkinson Way



NOTES

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  - 13.03 - Installation of street lighting columns.
  - 13.10 - Column door alignment.
  - 14.01 Rev a to 14.06 Rev a - Termination types L1 to L6
  - 14.08 Rev A - Termination Type L8
  - 14.26 - Base compartment general arrangement Rev A
  - 14.27 - Column and sign numbering detail
  - 14.28 - Termination labels in base compartment
  - 14.42 - Feeder pillar type b (up to 6 outgoing circuits)
  - 14.44 - Feeder pillar type d (up to 2 outgoing circuits)
  - 14.50 - Earth pit and electrodes
  - 14.51 - Under ground ducts
  - 14.52 - Cable access chambers
  - 14.53 - Splitter islands (signs plus bollards)
  - 14.54 - Splitter islands (bollards only)