

**Legend**

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Manhole details: Cross-To be used Filled-In use Clear-Empty	Overbridge	Signal	Engineer's Line Reference	Crossing	Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code Status - as per Key Below	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Manhole	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV Cable
Cabinet with Regenerator and Verts	Screening Conductor Joint with/without Earth	2034m F-DIDC-RGAC-A	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Sheath Gap Copper	Earth Form	Pedestrian Access Point	Platform	Cable Pull	LV Cable
Cabinet with Regenerator and Verts	Screening Conductor Joint with/without Earth	2034m F-DIDC-RGAC-A	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Sheath Gap Copper	Earth Form	Pedestrian Access Point	Platform	Cable Pull	Sewer
Cabinet with Regenerator and Verts	Screening Conductor Joint with/without Earth	2034m F-DIDC-RGAC-A	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Sheath Gap Copper	Earth Form	Pedestrian Access Point	Platform	Cable Pull	Telecoms
Cabinet with Regenerator and Verts	Screening Conductor Joint with/without Earth	2034m F-DIDC-RGAC-A	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Sheath Gap Copper	Earth Form	Pedestrian Access Point	Platform	Cable Pull	Water

**KEY**

Proposed Fibre & Civils Elements are shown in RED

Proposed Copper Elements are shown in BLUE

Proposed Screening Elements are shown in MAGENTA

All Recoveries are shown in GREEN

All Existing Elements are shown in BLACK

Existing Fibre Cable

Existing Copper Cable

Existing Screen Cable

**Notes**

Contractor(s)

**MURPHY**

**As Built**

Scale(s)

ELR & Mileage

BML2 & TTF

NTS

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	30/01/2014	As-Built Drawing	SA	BW	CT
A	24/02/2012	First Issue	AC	MC	JU

Designed	NDC Consultants	Sign.	Stuart Adkins	Date	24/02/2012
Drawn	Ben Winter	Sign.	Chris Tappenden	Date	30/01/2014
Checked	Ben Winter	Sign.	Chris Tappenden	Date	07/02/2014
Approved	Chris Tappenden	Sign.	Chris Tappenden	Date	07/02/2014

**FTN/GSM-R Project**

**CA18 LOR 1127-1128 As Built Record**

Drawing Title

**Pooksgreen (1126) to Totton Station (1128)**

Alternative Reference

See Layout Tab A3 Sheets 1 and 2

Sheet 1 of 4

Revision B

NTPO\SLD\1126\1128\001

**Network Rail**

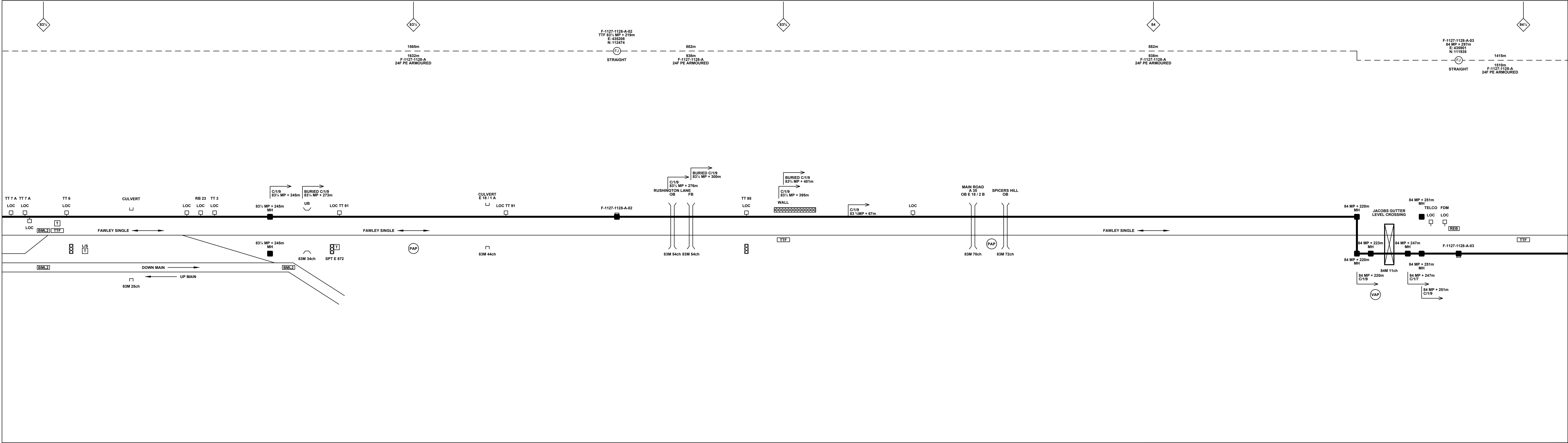
FTN/GSM-R Project

Tournament House

Paschington

London

W2 1HA



**Legend**

DC

A

B

Cabinet and Verts

DC

A

B

Cabinet with Regenerator and Verts

CJ

Copper Joint

FJ

Fibre Joint

SJ

Screening Conductor Joint with/without Earth

1988m

2034m

F-DIDC-RGAC-A

F-DIDC-RGAC-A

ECR

Electrical Control Room

Manhole

Manhole

Mid Length Sheath Gap Fibre

Sheath Gap Copper

SB

Signal Box

ECR

Electrical Control Room

Manhole

Manhole

Mid Length Sheath Gap Fibre

Sheath Gap Copper

FTN Core Node

Core Node with GSM-R Colocated

FTN Access Node

FTN Access Node with GSM-R Colocated

Screen Joint Routeworks

Copper Joint Routeworks

Cabinet Routeworks

Fibre Joint Routeworks

Manhole details: Cross-To be used Filled-In use Clear-Empty

Tunnel

Overbridge

Underbridge

Earth Form

Buffer Stop

Signal

Vehicle Access Point

Pedestrian Access Point

Platform

Telephone

Telephone

Crossing

Gantry

Cable Pull

Copper Blue Fibre Red Screen Green

Mast

Mast

Gas Line

HV Cable

LV Cable

LV Cable

Sewer

Telecoms

Water

Water

KEY

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Existing Fibre Cable

Existing Copper Cable

Existing Screen Cable

Notes

Contractor(s)

MURPHY

Status

As Built

Scale(s)

ELR & Mileage

BML2 & TTF

Designed

NDC Consultants

Sign.

Stuart Adkins

Date

24/02/2012

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Chris Tappenden

Date

30/01/2014

Approved

Chris Tappenden

Sign.

Chris Tappenden

Date

07/02/2014

Project

FTN/GSM-R Project CA18 LOR 1127-1128 As Built Record

Drawing Title

Pooksgreen (1126) to Totton Station (1128)

Alternative Reference

See Layout Tab A3 Sheets 3 and 4

Sheet

2 of 4

Revision

B

FTN/GSM-R Project

Tournament House

Pasdington

London

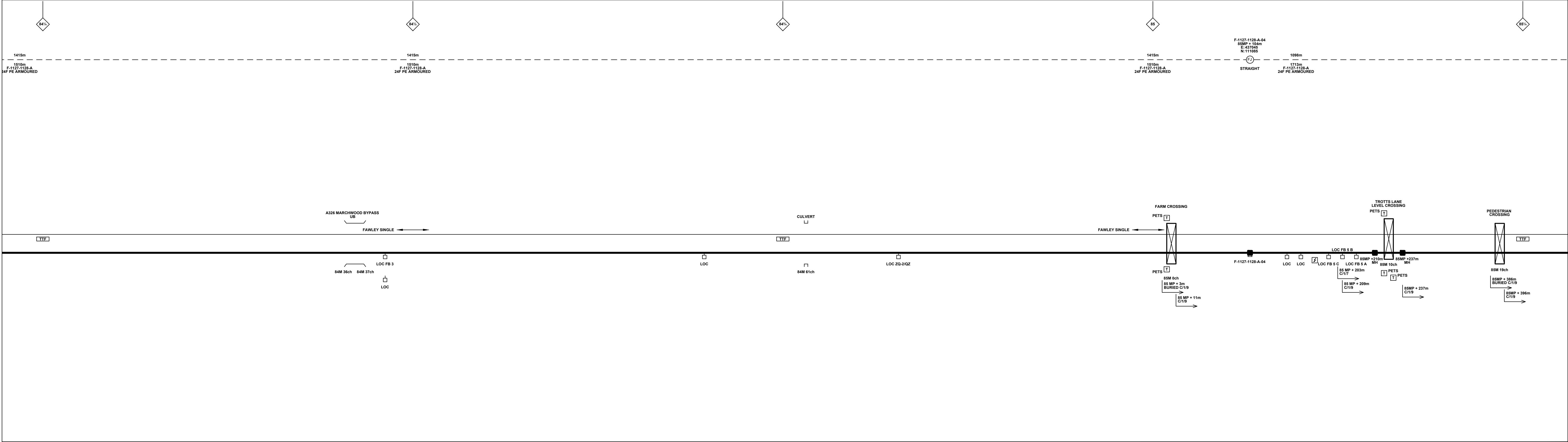
W2 1HA

NTPO\SLD\1126\1128\001

Revision

B

Sheet Size 841x297



**Legend**

DC  
A  
B

Cabinet and Verts

DC  
A  
B

Cabinet with Regenerator and Verts

CJ

Copper Joint

FJ

Fibre Joint

SJ

Screening Conductor Joint with/without Earth

1988m

2034m

F-DIDC-RGAC-A

ECR

Electrical Control Room

Manhole

Mid Length Sheath Gap Fibre

Sheath Gap Copper

FTN Core Node

Core Node with GSM-R Colocated

FTN Access Node

FTN Access Node with GSM-R Colocated

Screen Joint Routeworks

Copper Joint Routeworks

Cabinet Routeworks

Fibre Joint Routeworks

Manhole details: Cross-To be used Filled-In use Clear-Empty

Tunnel

Overbridge

Underbridge

Earth Form

Signal

Vehicle Access Point

Pedestrian Access Point

Platform

Buffer Stop

Telephone

Engineer's Line Reference

Mile Post

Crossing

Gantry

Cable Pull

Copper Blue Fibre Red Screen Green

Mast

GAS

HV

LV

SEW

TEL

W

Gas Line

HV Cable

LV Cable

Sewer

Telecoms

Water

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Existing Fibre Cable

Existing Copper Cable

Existing Screen Cable

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	30/01/2014	As-Built Drawing	SA	BW	CT
A	24/02/2012	First Issue	AC	MC	JU

Contractor(s)

**MURPHY**

Status

**As Built**

Scale(s)

ELR & Mileage

BML2 & TTF

Designed

Drawn

Checked

Approved

Project

Project

NDC Consultants

Stuart Adkins

Ben Winter

Chris Tappenden

FTN/GSM-R Project

CA18 LOR 1127-1128 As Built Record

Sign.

Sign.

Sign.

Sign.

Sign.

Date

24/02/2012

30/01/2014

07/02/2014

07/02/2014

Drawing Title

**Pooksgreen (1126) to Totton Station (1128)**

Alternative Reference

See Layout Tab A3 Sheets 5 and 6

Drawing Number

NTPO\SLD\1126\1128\001

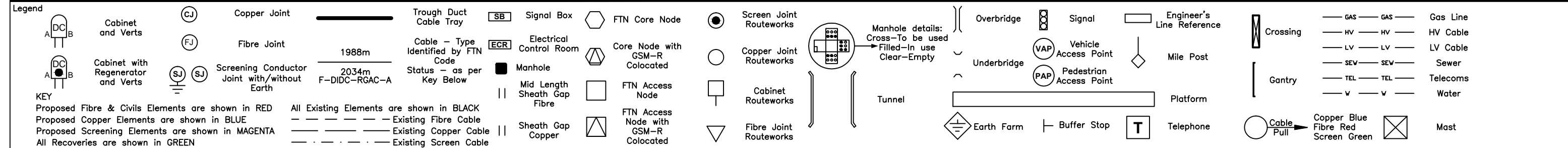
Revision

**B**


Sheet


3 of 4

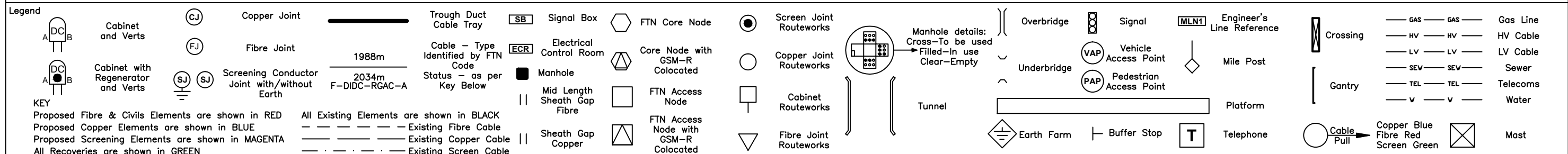
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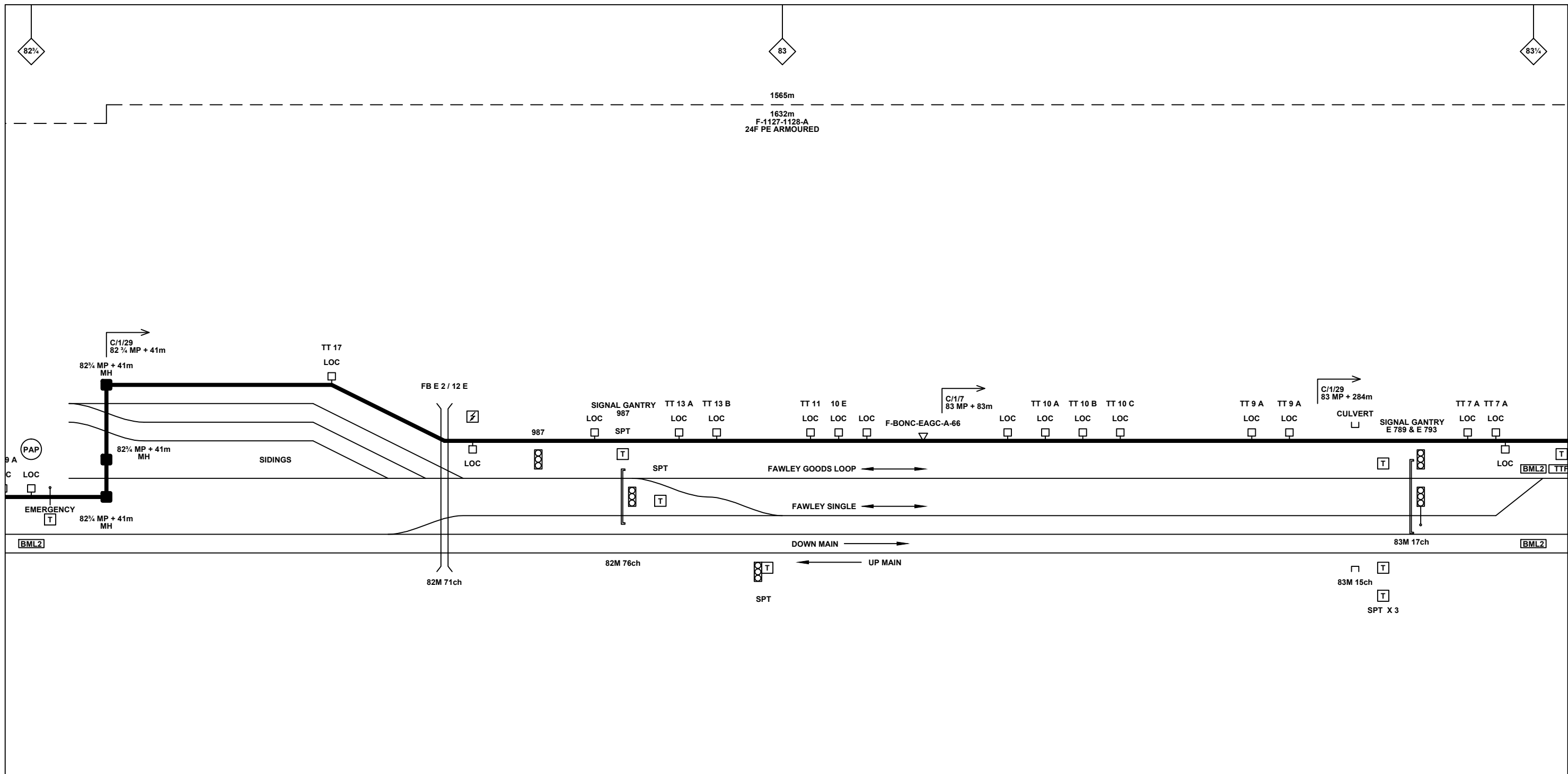
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Contractor(s)	
	
Status	
As Built	
Scale(s)	ELR & Mileage BML2 & TTF
NTS	

	
ETN-GSM-R Project Tournament House Paddington London W2 1HA	
Alternative Reference  See Layout Tab A3 Sheets 7 and 8	Sheet 4 of 4 Revision B
Drawing Number NTPO\SLD\1126\1128\001	

Sheet Size A3 297x420





**Legend**

Cabinet and Verts

Cabinet with Regenerator and Verts

Copper Joint

Fibre Joint

Screening Conductor Joint with/without Earth

Trough Duct Cable Tray

Cable - Type Identified by FTN Code Status - as per Key Below

Manhole

Mid Length Sheath Gap Fibre

Sheath Gap Copper

Signal Box

Electrical Control Room

FTN Core Node

Core Node with GSM-R Colocated

FTN Access Node

FTN Access Node with GSM-R Colocated

Screen Joint Routeworks

Copper Joint Routeworks

Cabinet Routeworks

Fibre Joint Routeworks

Manhole details: Cross-To be used Filled-In use Clear-Empty

Tunnel

Overbridge

Underbridge

Signal

Vehicle Access Point

Pedestrian Access Point

Earth Farm

Buffer Stop

Engineer's Line Reference

Mile Post

Platform

Telephone

Crossing

Gantry

Cable Pull

Gas Line

HV Cable

LV Cable

Sewer

Telecoms

Water

Copper Blue Fibre Red Screen Green

Mast

**KEY**  
Proposed Fibre & Civils Elements are shown in RED  
Proposed Copper Elements are shown in BLUE  
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All Recoveries are shown in GREEN

**Notes**

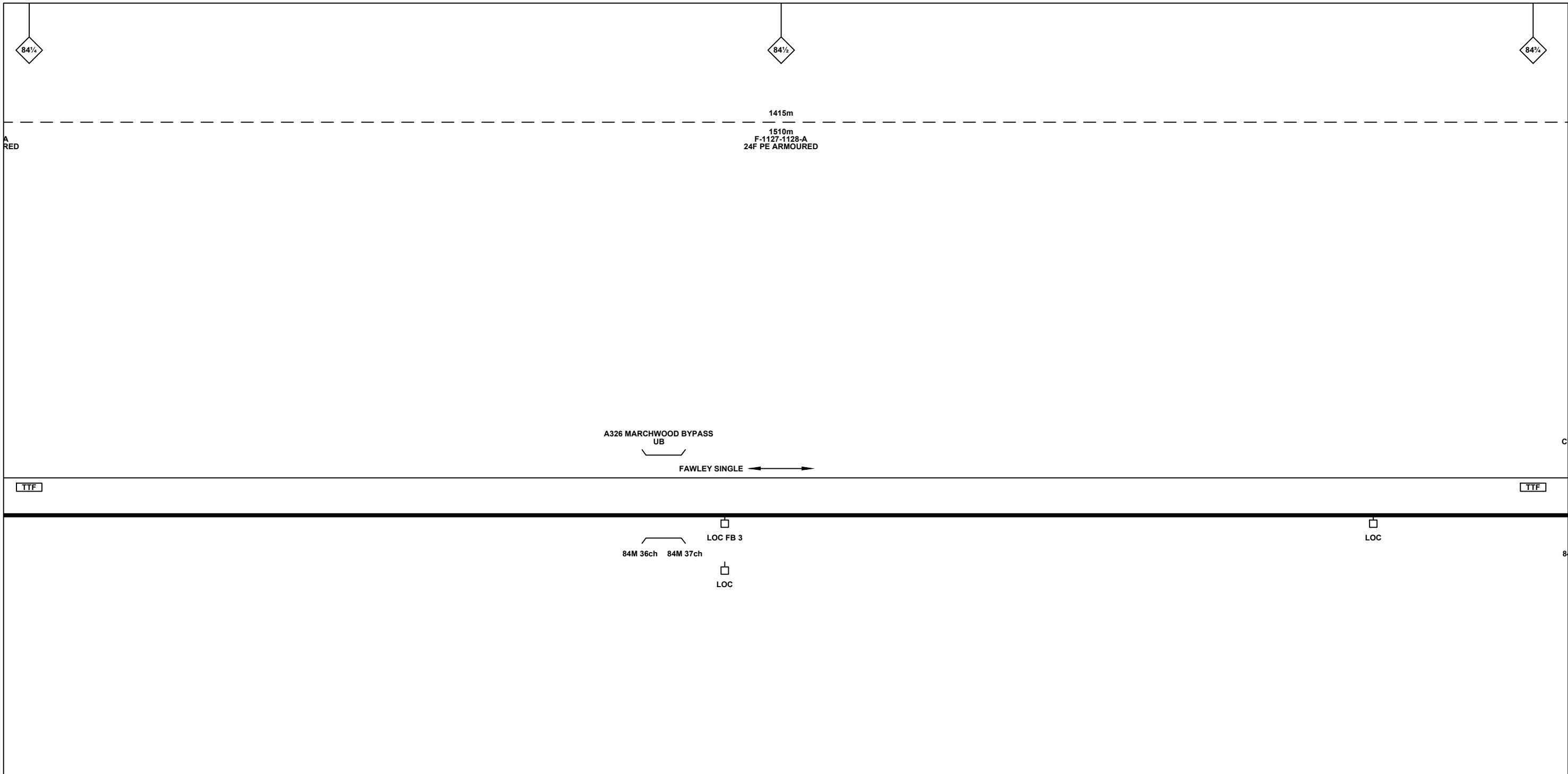
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						Drawn	Stuart Adkins	Sign.		Date	30/01/2014				
						Checked	Ben Winter	Sign.		Date	07/02/2014				
						Approved	Chris Tappenden	Sign.		Date	07/02/2014				
						Project					FTN/GSM-R Project CA18 LOR 1127-1128 As Built Record				
			Status			Drawing Title					Alternative Reference				
						Pooksgreen (1126) to Totton Station (1128)					See Layout Tab 841 x 297 Sheet 1				
Rev			Date			Description of Revisions			Drawn			Drawing Number			
B			30/01/2014			As-Built Drawing			SA			NTPO\SLD\1126\1128\001			
A			24/02/2012			First Issue			AC			Revision			
												B			

Sheet Size A3 297x420









**Legend**

Cabinet and Verts

Cabinet with Regenerator and Verts

Copper Joint

Fibre Joint

Screening Conductor Joint with/without Earth

Trough Duct Cable Tray

Signal Box

Electrical Control Room

Manhole

Mid Length Sheath Gap Fibre

Sheath Gap Copper

FTN Core Node

Core Node with GSM-R Colocated

FTN Access Node

FTN Access Node with GSM-R Colocated

Screen Joint Routeworks

Copper Joint Routeworks

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Overbridge

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Vehicle Access Point

Pedestrian Access Point

Buffer Stop

Engineer's Line Reference

Mile Post

Platform

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Crossing

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Cable Pull

Gas Line

HV Cable

LV Cable

Sewer

Telecoms

Water

Mast

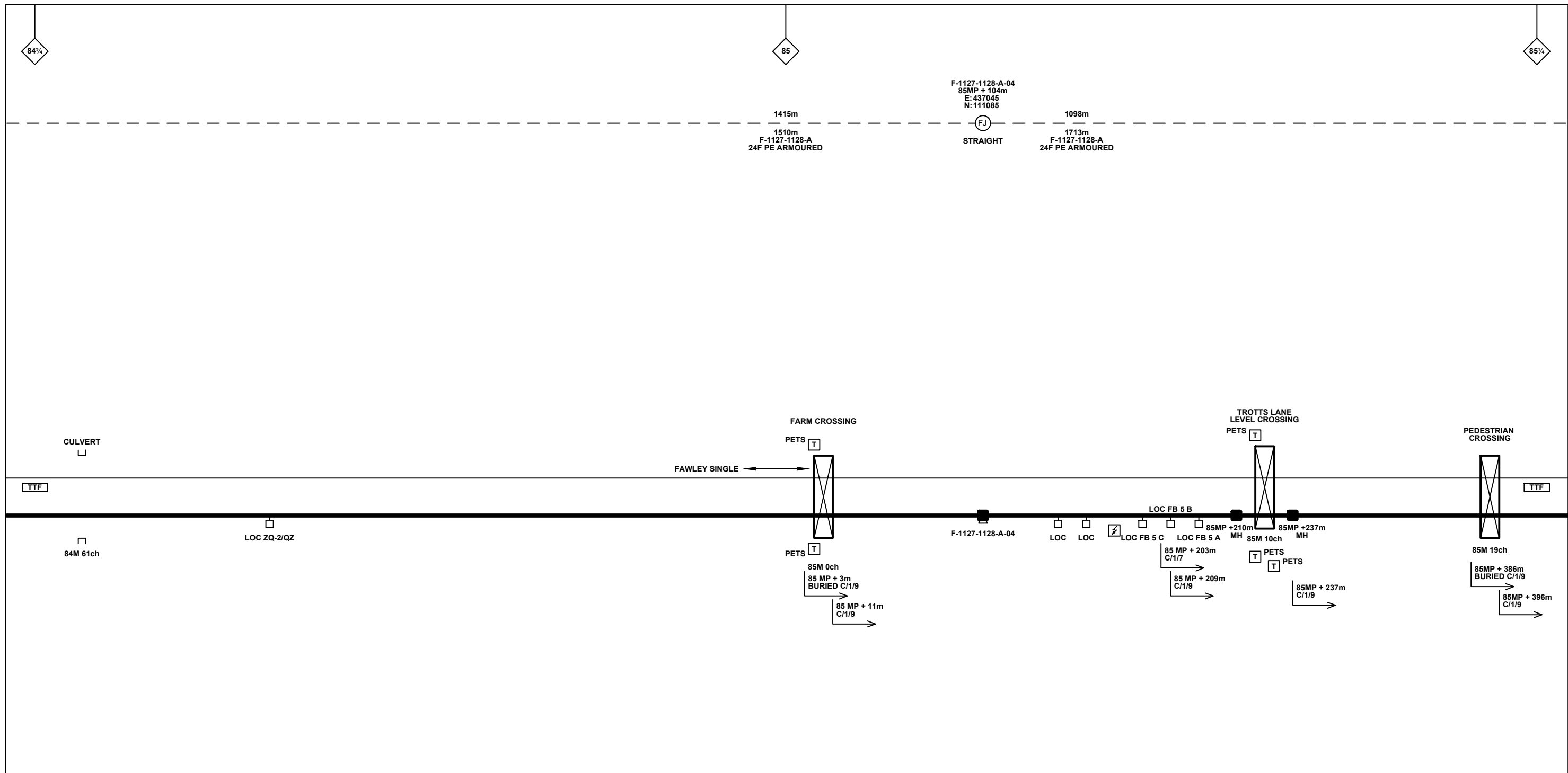
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All Existing Elements are shown in BLACK  
Existing Fibre Cable  
Existing Copper Cable  
Existing Screen Cable

Notes			Contractor(s)			Designed	NDC Consultants	Sign.		Date	24/02/2012	<div>FTN/GSM-R Project CA18 LOR 1127-1128 As Built Record</div> <div>FTN/GSM-R Project Tournament House Paddington London W2 1HA</div>			
						Drawn	Stuart Adkins	Sign.		Date	30/01/2014				
						Checked	Ben Winter	Sign.		Date	07/02/2014				
						Approved	Chris Tappenden	Sign.		Date	07/02/2014				
			<div>MURPHY</div>			Project			FTN/GSM-R Project CA18 LOR 1127-1128 As Built Record			Alternative Reference			
						Status			As Built						
						Scale(s)			NTS			Drawing Number			
						ELR & Mileage			BML2 & TTF			Revision			
Rev			Date	Description of Revisions	Drawn	Chkd	Appr	Drawing Title			Pooksgreen (1126) to Totton Station (1128)				
B			30/01/2014	As-Built Drawing	SA	BW	CT				See Layout Tab 841 x 297 Sheet 3				
A			24/02/2012	First Issue	AC	MC	JU				NTPO\SLD\1126\1128\001				
											Sheet 5 of 7				
											B				

Sheet Size A3 297x420



**Legend**

Cabinet and Verts

Cabinet with Regenerator and Verts

Copper Joint

Fibre Joint

Screening Conductor Joint with/without Earth

Trough Duct Cable Tray

Signal Box

Electrical Control Room

Manhole

Mid Length Sheath Gap Fibre

Sheath Gap Copper

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Core Node with GSM-R Colocated

FTN Access Node

FTN Access Node with GSM-R Colocated

Screen Joint Routeworks

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Cabinet Routeworks

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Crossing

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Contractor(s)

**MURPHY**

Designed	NDC Consultants	Sign.		Date	24/02/2012
Drawn	Stuart Adkins	Sign.		Date	30/01/2014
Checked	Ben Winter	Sign.		Date	07/02/2014
Approved	Chris Tappenden	Sign.		Date	07/02/2014

Project

**FTN/GSM-R Project  
CA18 LOR 1127-1128 As Built Record**

FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Network Rail

<div>Notes</div>						<div>Contractor(s)</div> <div>MURPHY</div>						Designed			NDC Consultants			Sign.			Date			24/02/2012			<div>Network Rail</div> <div>FTN/GSM-R Project Tournament House Paddington London W2 1HA</div>																				
												Drawn			Stuart Adkins			Sign.						Date									30/01/2014														
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						Status						As Built						Drawing Title						Pooksgreen (1126) to Totton Station (1128)						Alternative Reference						See Layout Tab 841 x 297 Sheet 3						Sheet		6 of 7			
						Scale(s)						NTS						ELR & Mileage						BML2 & TTF						Drawing Number						NTPO\SLD\1126\1128\001						Revision		B			
B						30/01/2014						As-Built Drawing						SA						BW						CT																	
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Rev						Date						Description of Revisions						Drawn						Chkd						Appr																	

