

Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks
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
KEY	Screening Conductor Joint with/without Earth	Manhole	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks
Proposed Fibre & Civils Elements are shown in RED		Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	
Proposed Copper Elements are shown in BLUE	All Existing Elements are shown in BLACK				
Proposed Screening Elements are shown in MAGENTA	Existing Fibre Cable				
All Recoveries are shown in GREEN	Existing Copper Cable				

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

Tunnel

Overbridge
Underbridge

Signal
Vehicle Access Point
Pedestrian Access Point

MLNI Engineer's Line Reference
Mile Post

Platform

Earth Form
Buffer Stop
Telephone

Crossing
Gantry

Cable Pull
 Copper Blue
 Fibre Red
 Screen Green

Mast

Notes

B	31/05/13	Stage 2 As-Built	TT	KS	CT
A	25/10/11	Redrafted from 1174-SAIC-SLD-V1.1.dwg + 1173-1174-SLD-V1.1.dwg + 1172-1173-SLD-V1.1.dwg	SH	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

McNicholas **MURPHY**

ndcconsultants

Unit 4 Apex Park, Watnigh Road, Worcester, Worcestershire, WR4 9FN. Tel: 01905 756000

As-Built

ELR & Mileage
 BAE1, BAE2 & SAL

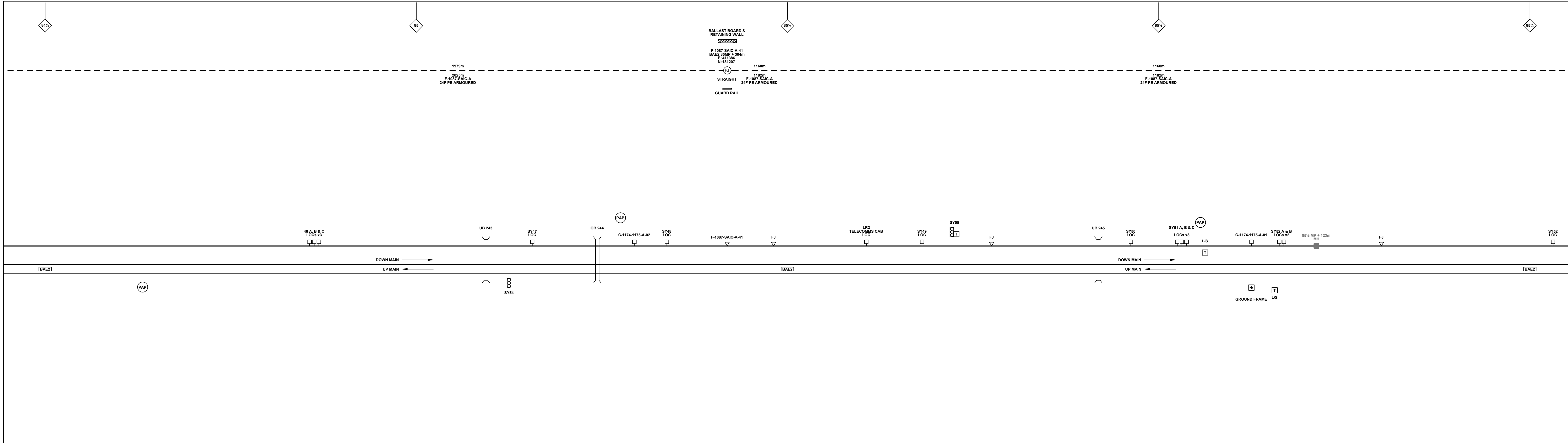
Designed	Stephen Holder	Sign.		Date	25/10/2011
Checked	Joe Winter	Sign.		Date	25/10/2011
Approved	Chris Tappenden	Sign.		Date	25/10/2011
Project	FTN/GSM-R Project Tournament House Pasdington London W2 1HA				
Drawing Title	Barford St Martin West (1173) to Salisbury Core Node (SAIC)				

Network Rail

Alternative Reference: See Layout Tab A3 Sheets 1 and 2

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet 1 of 7
 Revision B



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Manhole	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 details: Cross-To be used Filled-In use Clear-Empty	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV Cable
KEY	Screening Conductor Joint with/without Earth	Manhole	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	Cable Pull	Sewer	LV Cable
Proposed Fibre & Civils Elements are shown in RED	Existing Fibre Cable	Manhole	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Form	Buffer Stop	Telephone	Copper Blue Fibre Red Screen Green	Water	Mast
Proposed Copper Elements are shown in BLUE	Existing Copper Cable	Manhole	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Form	Buffer Stop	Telephone	Copper Blue Fibre Red Screen Green	Water	Mast
Proposed Screening Elements are shown in MAGENTA	Existing Screen Cable	Manhole	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Form	Buffer Stop	Telephone	Copper Blue Fibre Red Screen Green	Water	Mast
All Existing Elements are shown in BLACK	Existing Fibre Cable	Manhole	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Form	Buffer Stop	Telephone	Copper Blue Fibre Red Screen Green	Water	Mast
All Recoveries are shown in GREEN	Existing Copper Cable	Manhole	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Form	Buffer Stop	Telephone	Copper Blue Fibre Red Screen Green	Water	Mast

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	31/05/13	Stage 2 As-Built	TT	KS	CT
A	25/10/11	Redrafted from 1174-SAIC-SLD-V1.1.dwg + 1173-1174-SLD-V1.1.dwg + 1172-1173-SLD-V1.1.dwg	SH	JW	CT

Contractor(s)

McNicholas **MURPHY**

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Designed	Stephen Holder	Sign.		Date	25/10/2011
Checked	Joe Winter	Sign.		Date	25/10/2011
Approved	Chris Tappenden	Sign.		Date	25/10/2011

Project: FTN/GSM-R Project Stage 2 As-Built

Drawing Title: Barford St Martin West (1173) to Salisbury Core Node (SAIC)

Network Rail

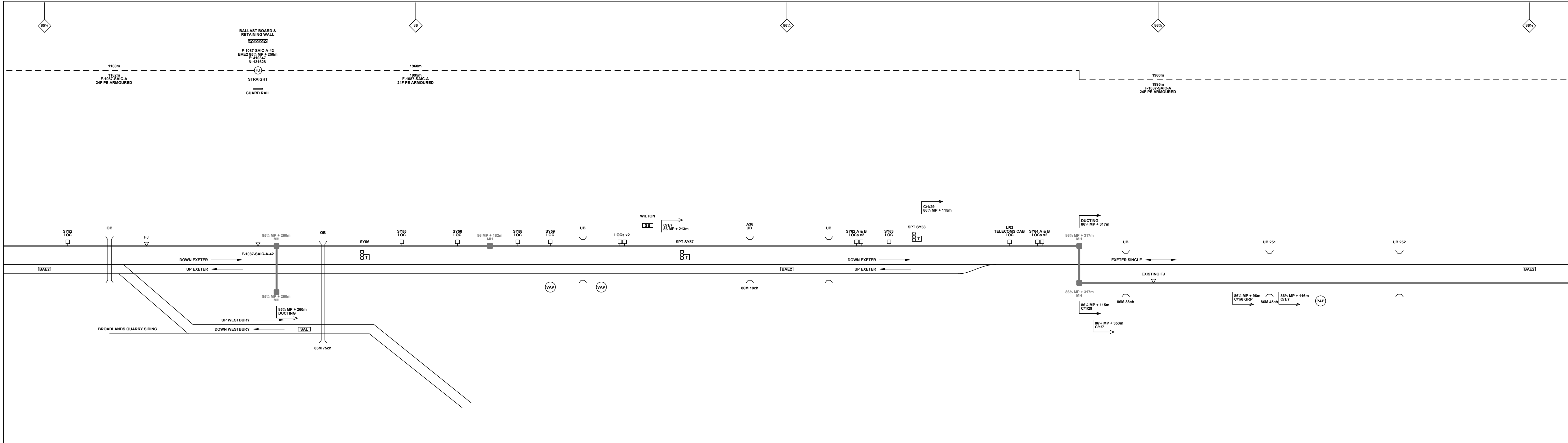
FTN/GSM-R Project
Tournament House
Reading
London
W2 1HA

Alternative Reference: See Layout Tab A3 Sheets 3 and 4

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet: 2 of 7

Revision: B



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	GAS - GAS - 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	HV - HV - HV Cable
KEY	Screening Conductor Joint with/without Earth	2034m F-DIDC-RGAC-A	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	LV - LV - LV Cable	
Proposed Fibre & Civils Elements are shown in RED		All Existing Elements are shown in BLACK	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Form	Buffer Stop	Telephone	SEW - SEW - Sewer	
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable							TEL - TEL - Telecoms	
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable							W - W - Water	
All Recoveries are shown in GREEN		Existing Screen Cable							Mast	

Notes

B	31/05/13	Stage 2 As-Built	TT	KS	CT
A	25/10/11	Redrafted from 1174-SAIC-SLD-V1.1.dwg + 1173-1174-SLD-V1.1.dwg + 1172-1173-SLD-V1.1.dwg	SH	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

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Status: **As-Built**

ELR & Mileage: BAE1, BAE2 & SAL

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Approved	Chris Tappenden	Sign.		Date	25/10/2011

Project: **FTN/GSM-R Project Stage 2 As-Built**

Drawing Title: **Barford St Martin West (1173) to Salisbury Core Node (SAIC)**

Network Rail

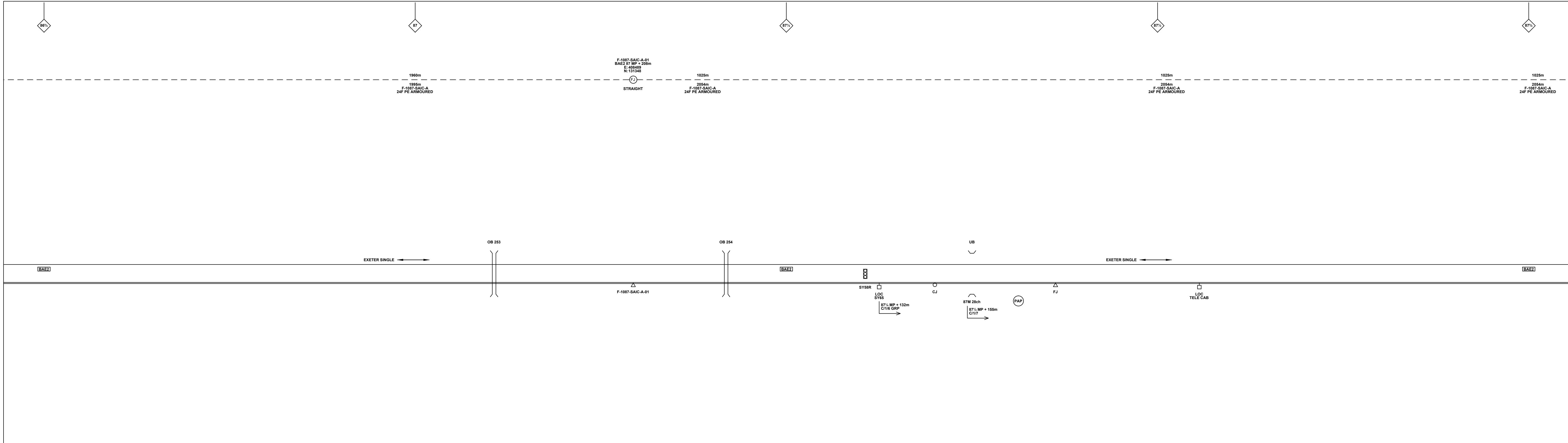
FTN/GSM-R Project
Tournament House
Passington
London
W12 1HA

Alternative Reference: See Layout Tab A3 Sheets 5 and 6

Drawing Number: **NTPO\SLD\1173\SAIC\001**

Sheet **3** of **7**

Revision **B**



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	GAS — GAS — 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	HV — HV — HV Cable
KEY	Screening Conductor Joint with/without Earth	2034m F-DIDC-RGAC-A	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	LV — LV — LV Cable	SEW — SEW — Sewer
Proposed Fibre & Civils Elements are shown in RED		All Existing Elements are shown in BLACK	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Form	Buffer Stop	Telephone	TEL — TEL — Telecoms	W — W — Water
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable							Cable Pull	Mast
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable							Fibre Red	
All Recoveries are shown in GREEN		Existing Screen Cable							Screen Green	

Notes

B	31/05/13	Stage 2 As-Built	TT	KS	CT
A	25/10/11	Redrafted from 1174-SAIC-SLD-V1.1.dwg + 1173-1174-SLD-V1.1.dwg + 1172-1173-SLD-V1.1.dwg	SH	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

McNicholas **MURPHY**

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Designed	Stephen Holder	Sign.	[Signature]	Date	25/10/2011
Checked	Joe Winter	Sign.	[Signature]	Date	25/10/2011
Approved	Chris Tappenden	Sign.	[Signature]	Date	25/10/2011
Project	FTN/GSM-R Project Stage 2 As-Built				
Drawing Title	Barford St Martin West (1173) to Salisbury Core Node (SAIC)				

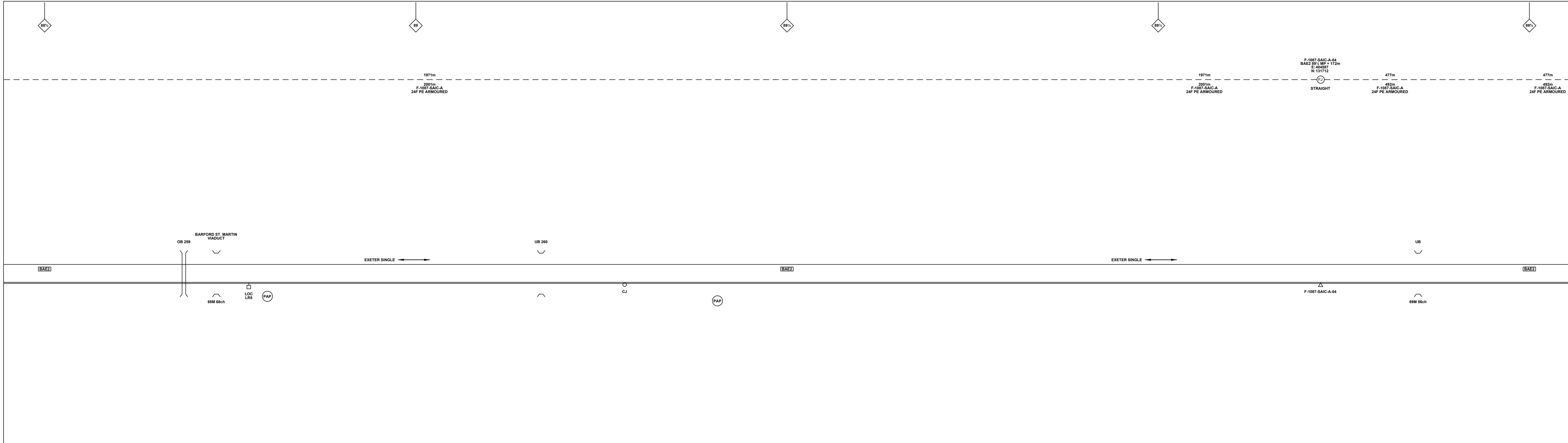
Network Rail

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

Alternative Reference: See Layout Tab A3 Sheets 7 and 8

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet 4 of 7
Revision B



Legend

	Cabinet and Verts		Copper Joint		Trough Duct Cable Tray		Signal Box		FTN Core Node		Screen Joint Routeworks		Manhole		Overbridge		Signal		Engineer's Line Reference
	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 details: Cross-To be used Filled-In use Clear-Empty		Underbridge		Vehicle Access Point		Mile Post
	KEY: Proposed Fibre & Civils Elements are shown in RED		Screening Conductor Joint with/without Earth		Manhole		Mid Length Sheath Gap Fibre		FTN Access Node		Cabinet Routeworks		Tunnel		Earth Form		Pedestrian Access Point		Platform
	KEY: Proposed Copper Elements are shown in BLUE		Existing Fibre Cable		Sheath Gap Copper		FTN Access Node with GSM-R Colocated		Fibre Joint Routeworks		Crossing		Gantry		Cable Pull		Gas Line		Mast
	KEY: Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable		Gas Line		HV Cable		LV Cable		Sewer		Telecoms		Water		Water		
	KEY: All Recoveries are shown in GREEN		Existing Screen Cable		Water														

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	31/05/13	Stage 2 As-Built	TT	KS	CT
A	25/10/11	Redrafted from 1174-SAIC-SLD-V1.1.dwg + 1173-1174-SLD-V1.1.dwg + 1172-1173-SLD-V1.1.dwg	SH	JW	CT

Contractor(s)

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Designed	Sign.	Date
Drawn	Sign.	Date
Checked	Sign.	Date
Approved	Sign.	Date

Project: FTN/GSM-R Project
Stage 2 As-Built

Drawing Title: Barford St Martin West (1173) to Salisbury Core Node (SAIC)

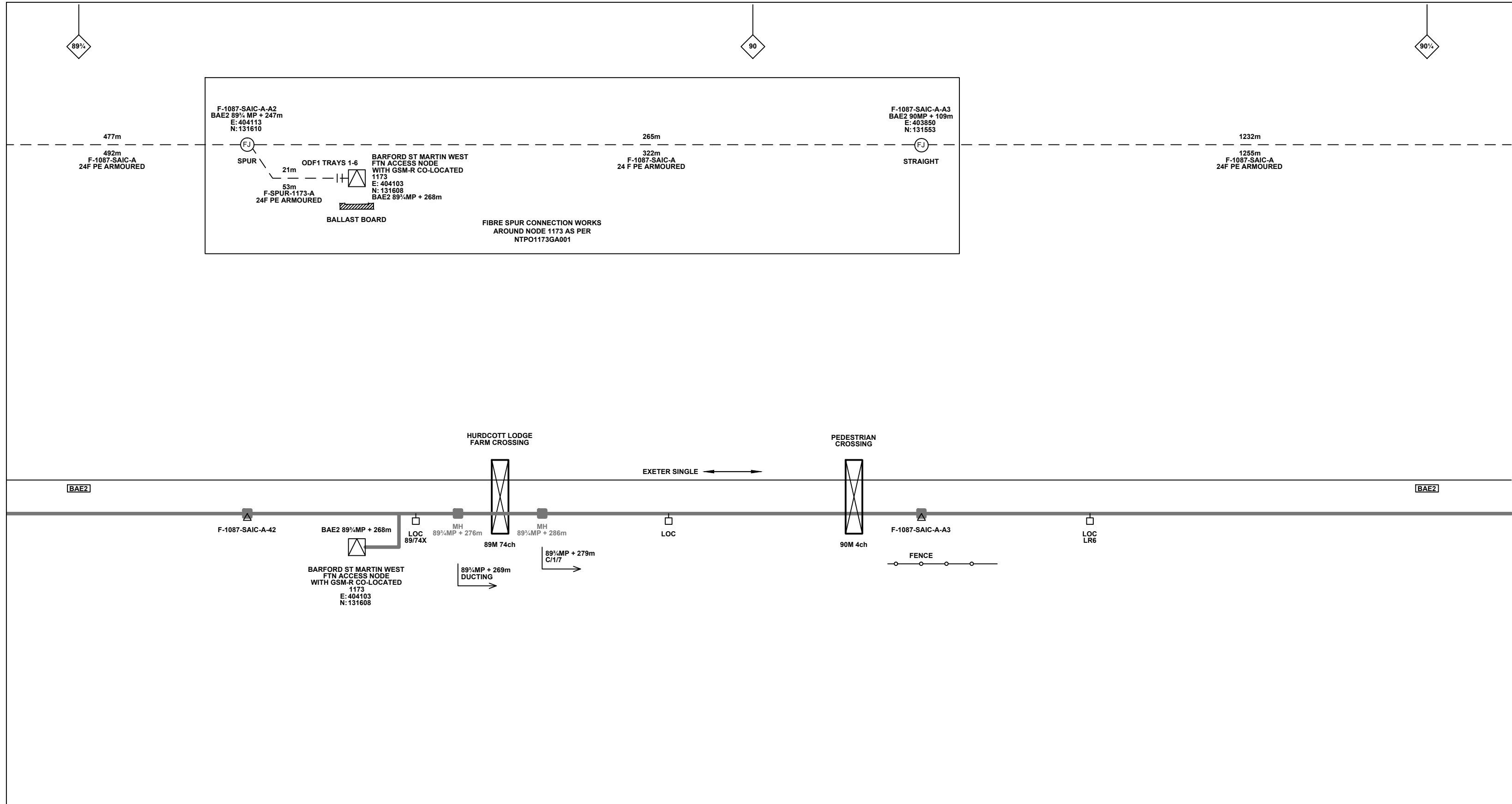
Network Rail

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

Alternative Reference: See Layout Tab A3 Sheets 11 and 12

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet 6 of 7
Revision B



Legend

	Cabinet and Verts		Copper Joint		Trough Duct Cable Tray		Signal Box		FTN Core Node		Screen Joint Routeworks		Manhole		Overbridge		Signal		Engineer's Line Reference
	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 details: Cross-To be used Filled-In use Clear-Empty		Underbridge		Vehicle Access Point		Mile Post
	KEY: Proposed Fibre & Civils Elements are shown in RED		Screening Conductor Joint with/without Earth		All Existing Elements are shown in BLACK		Mid Length Sheath Gap Fibre		FTN Access Node		Cabinet Routeworks		Tunnel		Earth Form		Pedestrian Access Point		Platform
	KEY: Proposed Copper Elements are shown in BLUE		Existing Fibre Cable		Existing Copper Cable		Sheath Gap Copper		FTN Access Node with GSM-R Colocated		Fibre Joint Routeworks		Cable Pull		Buffer Stop		Mast		Telephone
	KEY: All Recoveries are shown in GREEN																		

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	31/05/13	Stage 2 As-Built			
A	25/10/11	Redrafted from 1174-SAIC-SLD-V1.1.dwg + 1173-1174-SLD-V1.1.dwg + 1172-1173-SLD-V1.1.dwg	SH	JW	CT

Contractor(s)

McNicholas MURPHY

ndcconsultants

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Designed	Stephen Holder	Sign.	[Signature]	Date	25/10/2011
Checked	Joe Winter	Sign.	[Signature]	Date	25/10/2011
Approved	Chris Tappenden	Sign.	[Signature]	Date	25/10/2011

Project
FTN/GSM-R Project
Stage 2 As-Built

Drawing Title
Barford St Martin West (1173) to
Salisbury Core Node (SAIC)

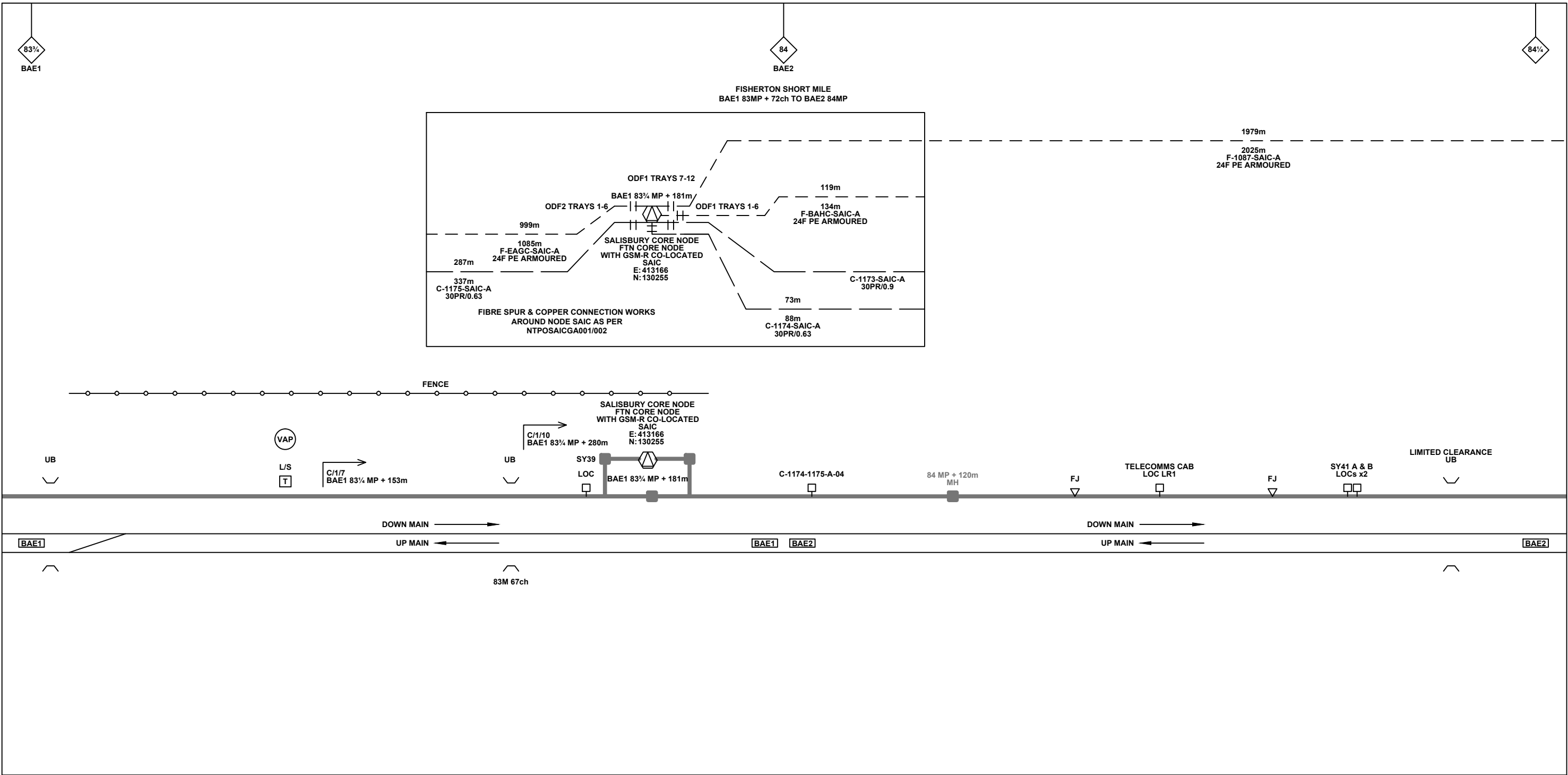
Network Rail

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

Alternative Reference: See Layout Tab A3 Sheet 13

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet 7 of 7
Revision B



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Overbridge	Signal	Engineer's Line Reference	Crossing	Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Manhole	Vehicle Access Point	Mile Post	HV Cable	LV Cable
KEY	Screening Conductor Joint with/without Earth	Status - as per Key Below	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Manhole details: Cross-To be used, Filled-In use, Clear-Empty	Pedestrian Access Point	Platform	Sewer	Telecoms
Proposed Fibre & Civils Elements are shown in RED		All Existing Elements are shown in BLACK	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Buffer Stop	Water	Copper Blue
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable						Telephone	Mast	Screen Green
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable								
All Recoveries are shown in GREEN		Existing Screen Cable								

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	31/05/13	Stage 2 As-Built	TT	KS	CT
A	25/10/11	Redrafted from 1174-SAIC-SLD-V1.1.dwg + 1173-1174-SLD-V1.1.dwg + 1172-1173-SLD-V1.1.dwg	SH	JW	CT

Contractor(s)

Unit 4 Apex Park, Wainwright Road, Worcester, Worcestershire, WR4 9FN. Tel: 01905 756000

Status: **As-Built**

Scale(s): NTS

ELR & Mileage: BAE1, BAE2 & SAL

Designed		Sign.		Date	
Drawn	Stephen Holder	Sign.		Date	25/10/2011
Checked	Joe Winter	Sign.		Date	25/10/2011
Approved	Chris Tappenden	Sign.		Date	25/10/2011
Project	FTN/GSM-R Project Stage 2 As-Built				
Drawing Title	Barford St Martin West (1173) to Salisbury Core Node (SAIC)				

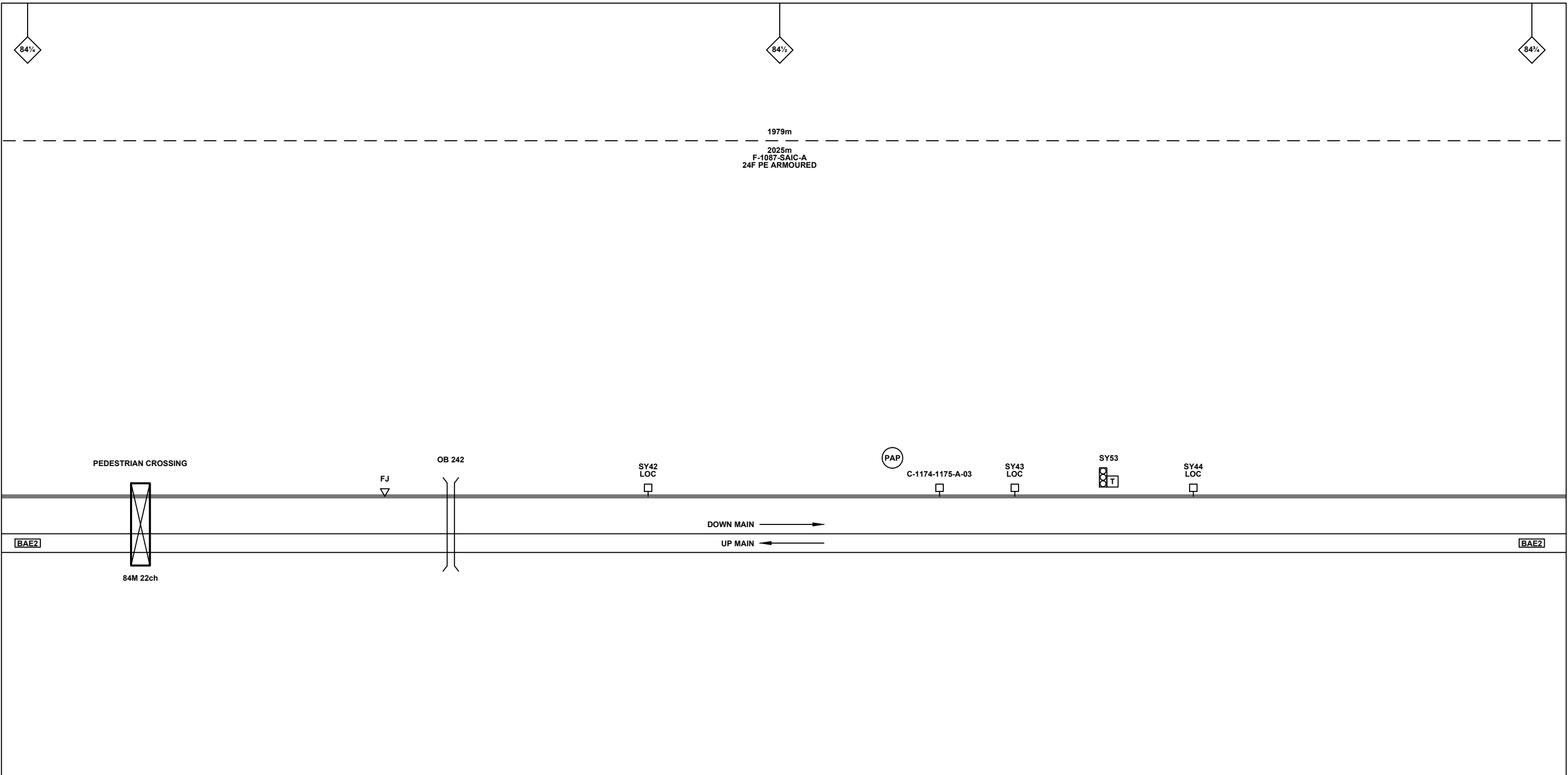
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 1

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet: 1 of 13

Revision: B



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Overbridge	Signal	Engineer's Line Reference	Crossing	Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Manhole	Vehicle Access Point	Mile Post	HV Cable	LV Cable
KEY	Screening Conductor Joint with/without Earth	1988m Cable	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Sheath Gap Copper	Pedestrian Access Point	Platform	Sewer	Telecoms
Proposed Fibre & Civils Elements are shown in RED		2034m F-DIDC-RGAC-A	Tunnel	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks		Earth Farm	Buffer Stop	Water	Mast
Proposed Copper Elements are shown in BLUE		All Existing Elements are shown in BLACK	Manhole details: Cross-To be used				Cable Pull			
Proposed Screening Elements are shown in MAGENTA		Existing Fibre Cable								
All Recoveries are shown in GREEN		Existing Copper Cable								
		Existing Screen Cable								

Notes

B	31/05/13	Stage 2 As-Built	TT	KS	CT
A	25/10/11	Redrafted from 1174-SAIC-SLD-V1.1.dwg + 1173-1174-SLD-V1.1.dwg + 1172-1173-SLD-V1.1.dwg	SH	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

Unit 4 Apex Park, Wainwright Road, Worcester, Worcestershire, WR4 9FN. Tel: 01905 756000

Status: **As-Built**

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ELR & Mileage: BAE1, BAE2 & SAL

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Project	FTN/GSM-R Project Stage 2 As-Built				
Drawing Title	Barford St Martin West (1173) to Salisbury Core Node (SAIC)				

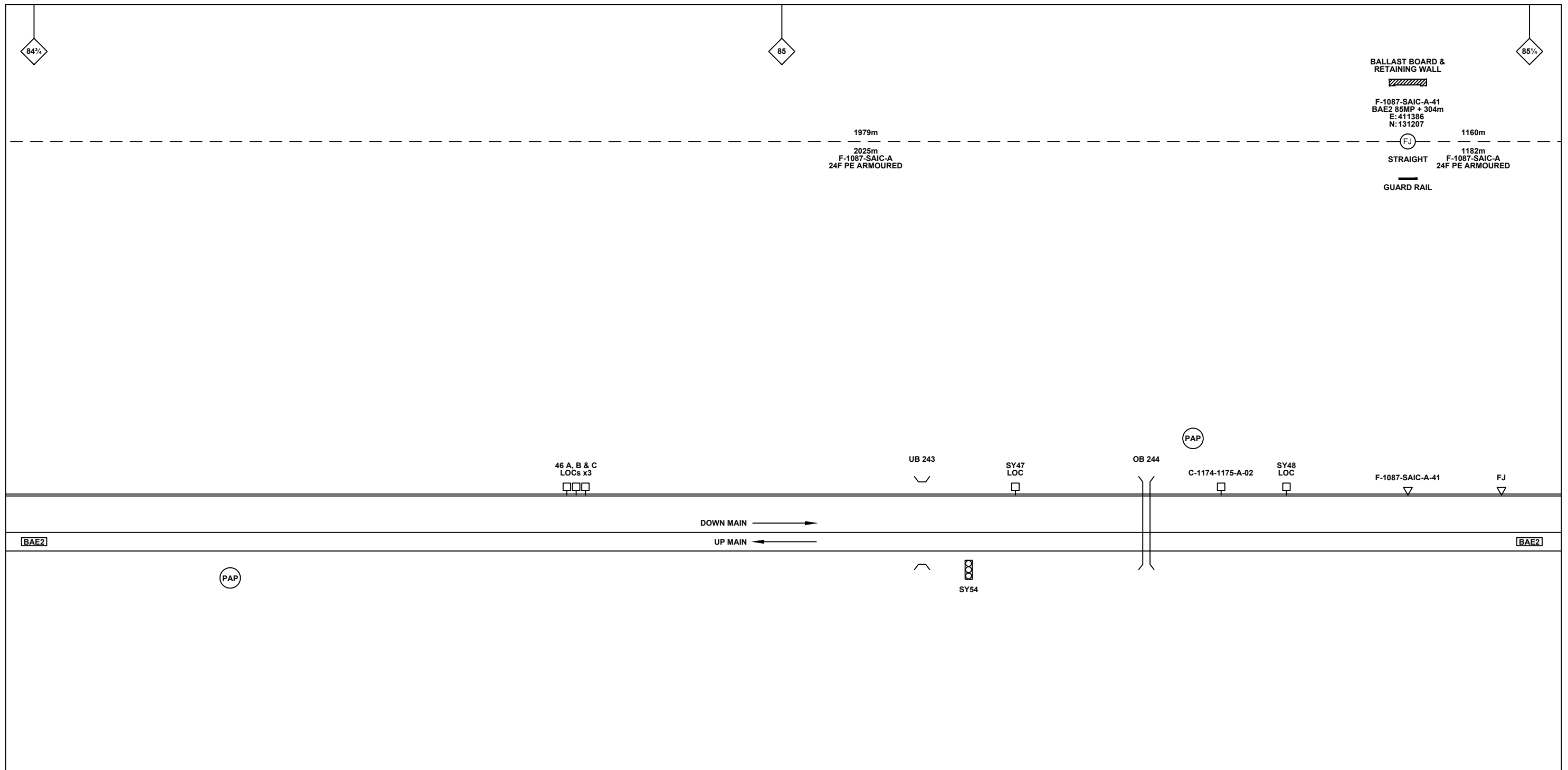
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 1

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet: 2 of 13

Revision: B



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Overbridge	Signal	Engineer's Line Reference	Crossing	Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Underbridge	Vehicle Access Point	Mile Post	HV Cable	LV Cable
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	Screening Conductor Joint with/without Earth	Manhole	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	Sewer	Telecoms
All Existing Elements are shown in BLACK	Existing Fibre Cable	Manhole	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	Water	Mast

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
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Status: **As-Built**

Scale(s): NTS

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Approved	Chris Tappenden	Sign.		Date	25/10/2011
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Drawing Title	Barford St Martin West (1173) to Salisbury Core Node (SAIC)				

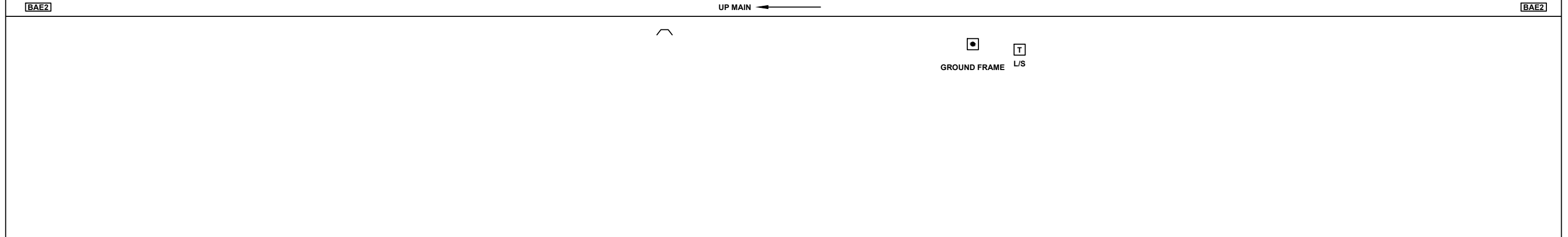
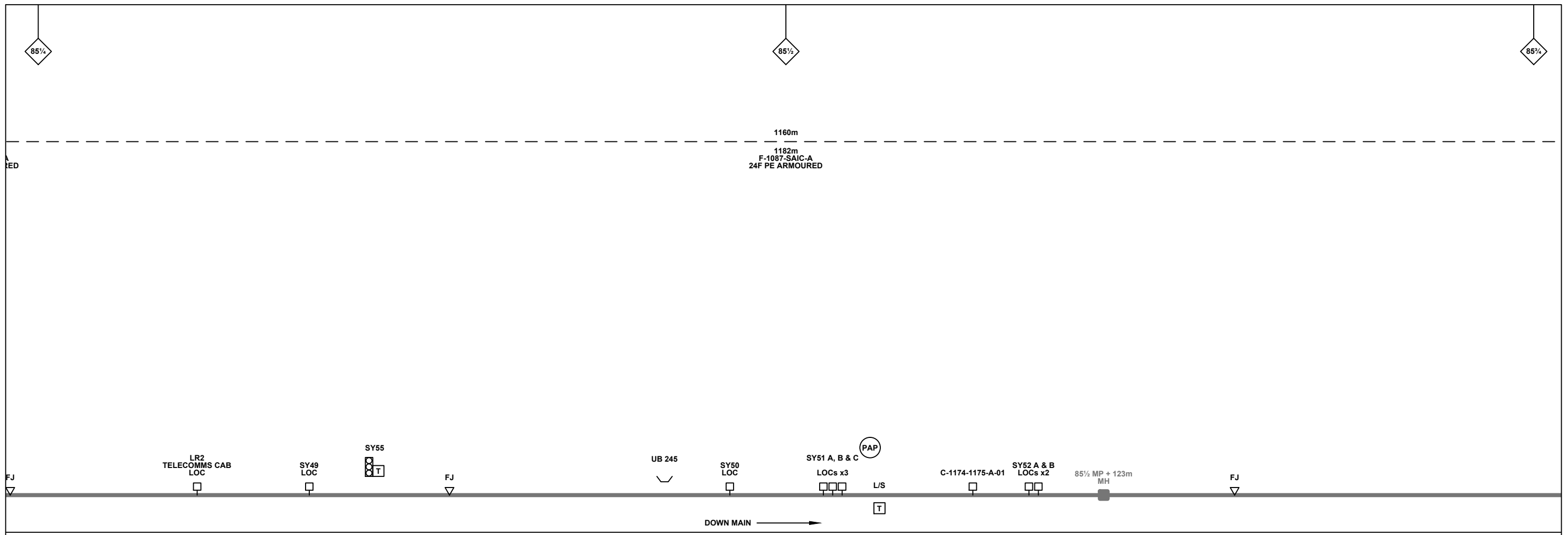
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 2

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet: 3 of 13

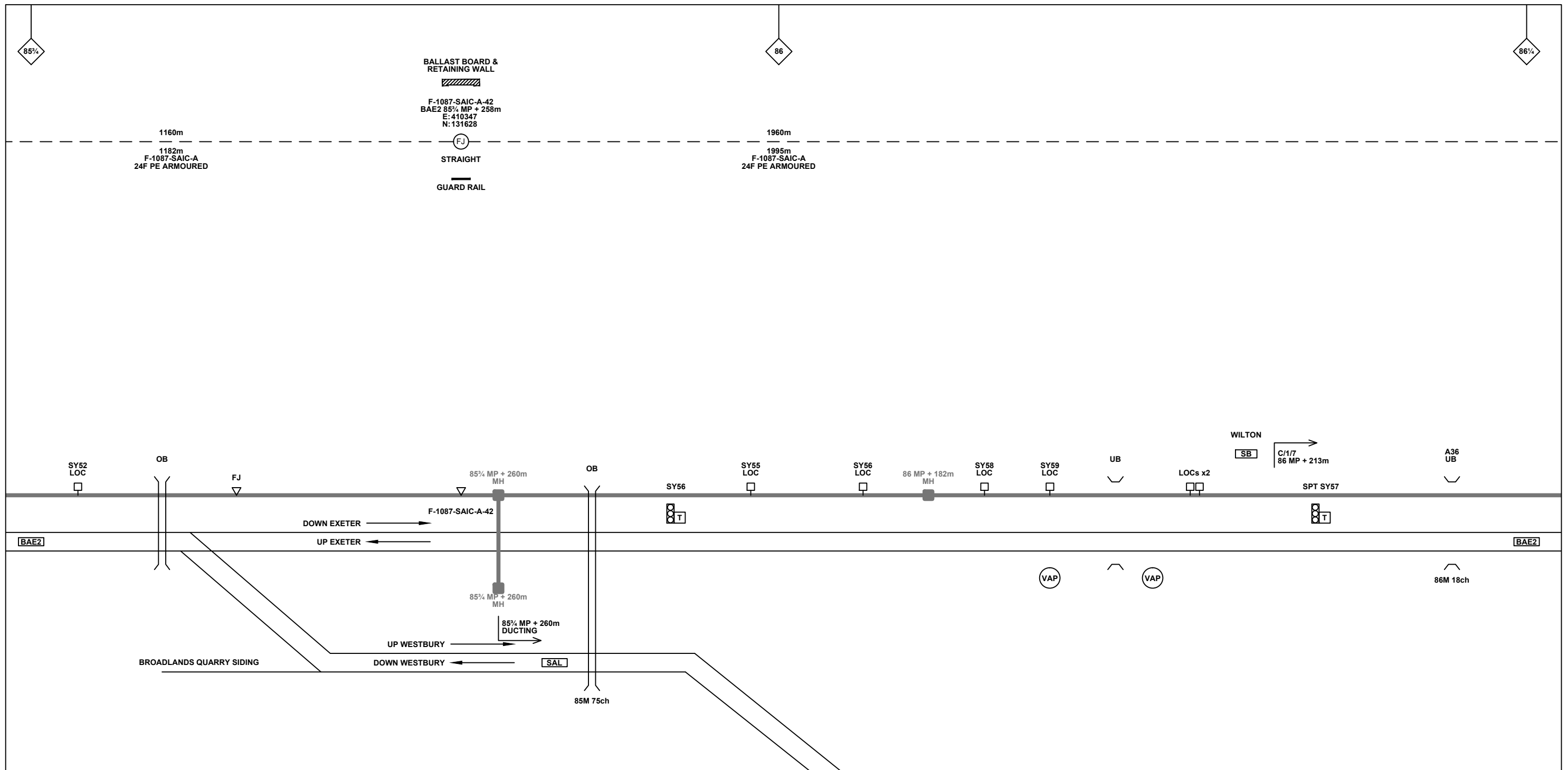
Revision: B



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Overbridge	Signal	Engineer's Line Reference	Crossing	Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Manhole	Vehicle Access Point	Mile Post	Gantry	HV Cable
KEY	Screening Conductor Joint with/without Earth	1988m Cable - Type Identified by FTN Code	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Manhole details: Cross-To be used, Filled-In use, Clear-Empty	Pedestrian Access Point	Platform	Sewer	LV Cable
Proposed Fibre & Civils Elements are shown in RED		2034m F-DIDC-RGAC-A	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Telephone	Sewer	Water
Proposed Copper Elements are shown in BLUE		All Existing Elements are shown in BLACK					Buffer Stop		Copper Blue Fibre Red Screen Green	Mast
Proposed Screening Elements are shown in MAGENTA		Existing Fibre Cable								
All Recoveries are shown in GREEN		Existing Copper Cable								
		Existing Screen Cable								

<p>Unit 4 Apex Park, Wainwright Road, Worcester, Worcestershire, WR4 9FN. Tel: 01905 756000</p>			<table border="1"> <tr> <td>Designed</td> <td></td> <td>Sign.</td> <td></td> <td>Date</td> <td></td> </tr> <tr> <td>Drawn</td> <td>Stephen Holder</td> <td>Sign.</td> <td></td> <td>Date</td> <td>25/10/2011</td> </tr> <tr> <td>Checked</td> <td>Joe Winter</td> <td>Sign.</td> <td></td> <td>Date</td> <td>25/10/2011</td> </tr> <tr> <td>Approved</td> <td>Chris Tappenden</td> <td>Sign.</td> <td></td> <td>Date</td> <td>25/10/2011</td> </tr> </table>			Designed		Sign.		Date		Drawn	Stephen Holder	Sign.		Date	25/10/2011	Checked	Joe Winter	Sign.		Date	25/10/2011	Approved	Chris Tappenden	Sign.		Date	25/10/2011												
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Contractor(s)	McNicholas																																								
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Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Overbridge	Signal	Engineer's Line Reference	Crossing	GAS — GAS — Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Underbridge	VAP	Mile Post	Gantry	HV — HV — HV Cable
KEY	Screening Conductor Joint with/without Earth	Manhole	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Manhole details: Cross-To be used	PAP	Platform	SEW — SEW — Sewer	LV — LV — LV Cable
Proposed Fibre & Civils Elements are shown in RED		Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Buffer Stop	Telephone	v — v — Water	Cable Pull
Proposed Copper Elements are shown in BLUE									Mast	
Proposed Screening Elements are shown in MAGENTA										
All Recoveries are shown in GREEN										

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	31/05/13	Stage 2 As-Built	TT	KS	CT
A	25/10/11	Redrafted from 1174-SAIC-SLD-V1.1.dwg + 1173-1174-SLD-V1.1.dwg + 1172-1173-SLD-V1.1.dwg	SH	JW	CT

Contractor(s)

Unit 4 Apex Park, Wainwright Road, Worcester, Worcestershire, WR4 9FN. Tel: 01905 756000

Status: **As-Built**

Scale(s): NTS

ELR & Mileage: BAE1, BAE2 & SAL

Designed		Sign.		Date	
Drawn	Stephen Holder	Sign.		Date	25/10/2011
Checked	Joe Winter	Sign.		Date	25/10/2011
Approved	Chris Tappenden	Sign.		Date	25/10/2011
Project	FTN/GSM-R Project Stage 2 As-Built				
Drawing Title	Barford St Martin West (1173) to Salisbury Core Node (SAIC)				

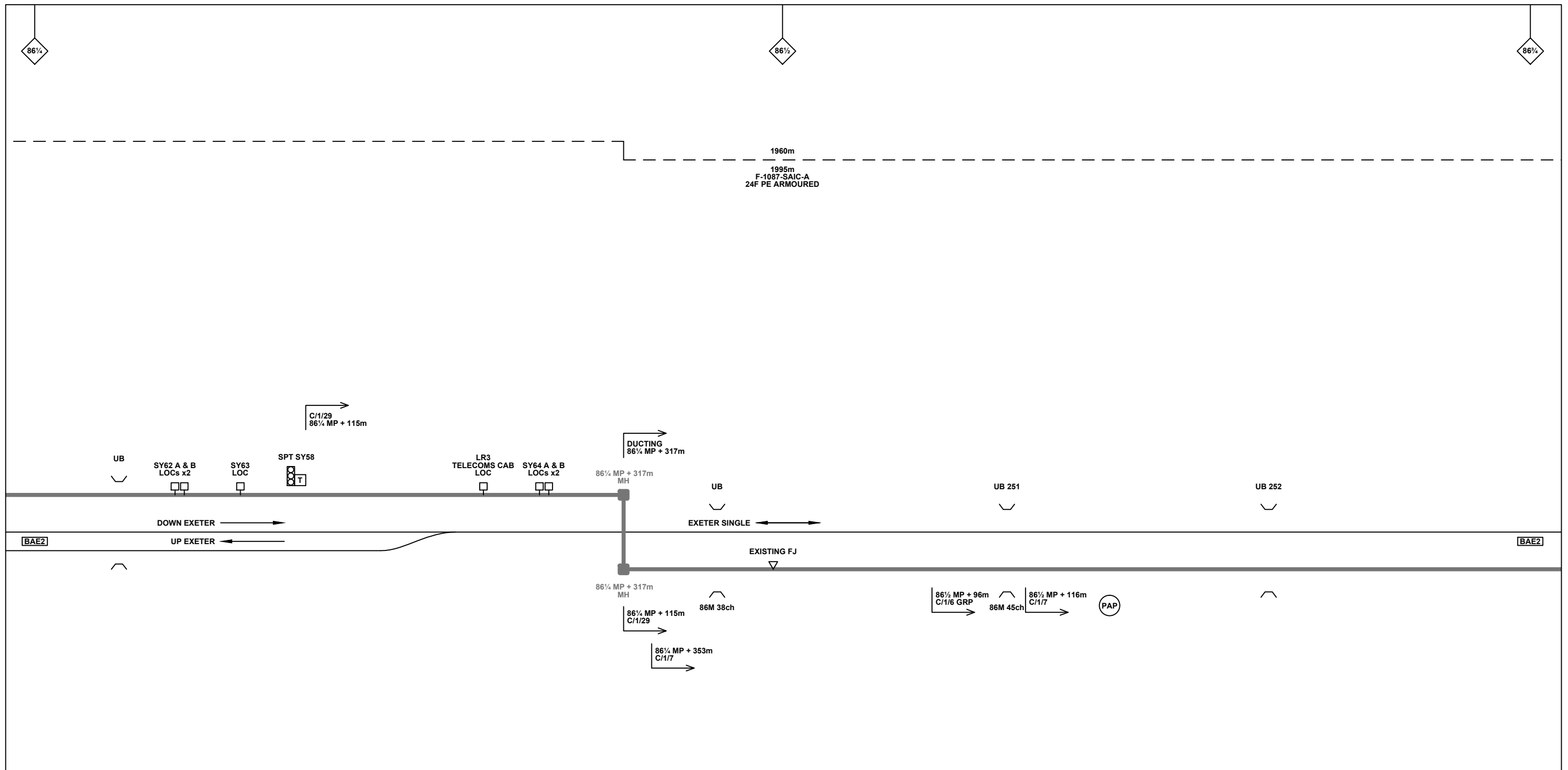
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 3

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet: 5 of 13

Revision: B



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Overbridge	Signal	Engineer's Line Reference	Crossing	GAS — GAS — Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Manhole	Vehicle Access Point	Mile Post	Gantry	HV — HV — HV Cable
KEY	Screening Conductor Joint with/without Earth	Status - as per Key Below	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Manhole details: Cross-To be used, Filled-In use, Clear-Empty	Pedestrian Access Point	Platform	SEW — SEW — Sewer	LV — LV — LV Cable
Proposed Fibre & Civils Elements are shown in RED		All Existing Elements are shown in BLACK	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Buffer Stop	TEL — TEL — Telecoms	v — v — Water
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable						Telephone	Cable Pull	Mast
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable								
All Recoveries are shown in GREEN		Existing Screen Cable								

Notes

B	31/05/13	Stage 2 As-Built	TT	KS	CT
A	25/10/11	Redrafted from 1174-SAIC-SLD-V1.1.dwg + 1173-1174-SLD-V1.1.dwg + 1172-1173-SLD-V1.1.dwg	SH	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

Unit 4 Apex Park, Wainwright Road, Worcester, Worcestershire, WR4 9FN. Tel: 01905 756000

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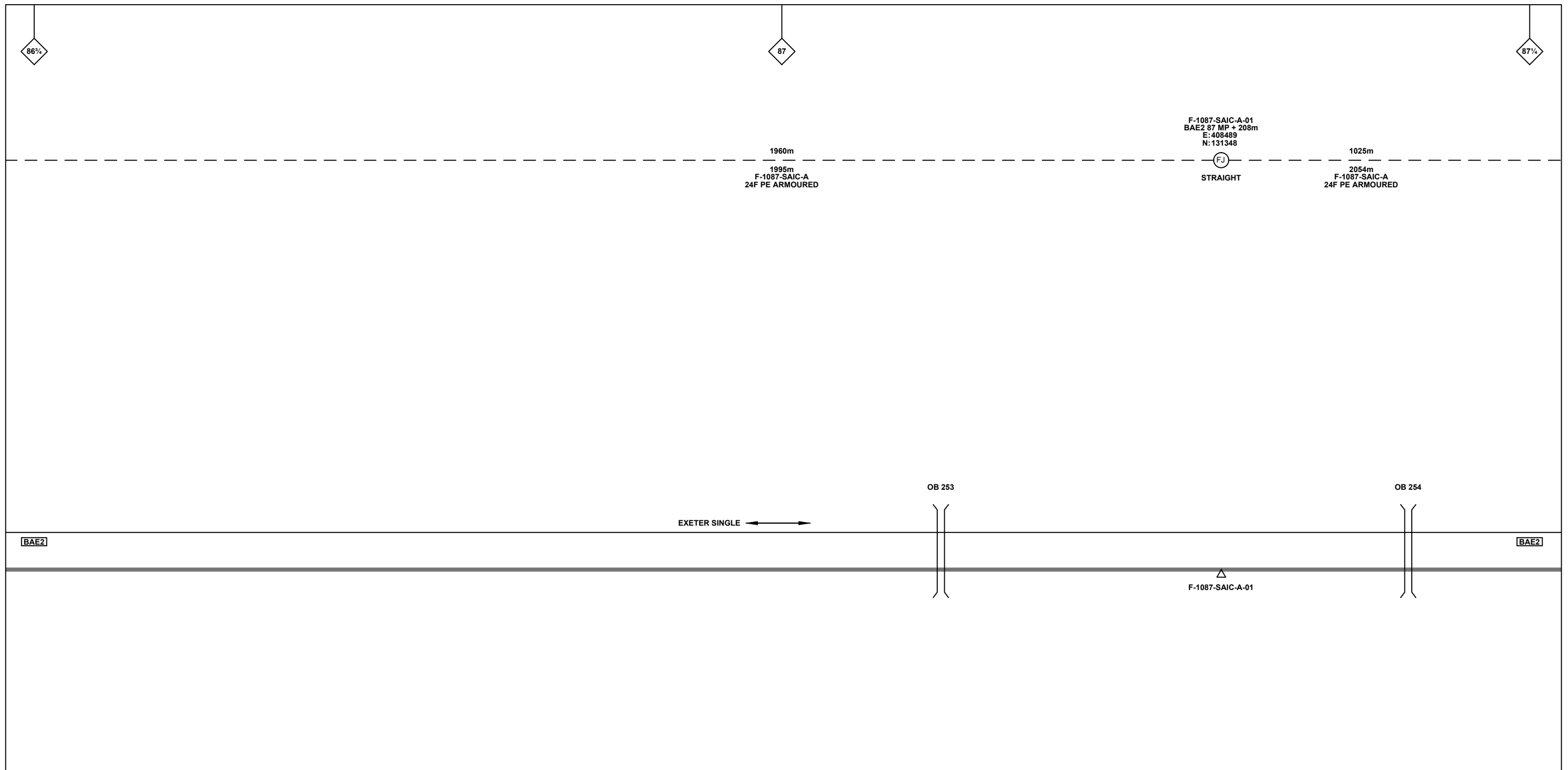
FTN/GSM-R Project
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London
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Alternative Reference: See Layout Tab 841 x 297 Sheet 3

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet: 6 of 13

Revision: B



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Overbridge	Signal	Engineer's Line Reference	Crossing	Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Manhole	Vehicle Access Point	Mile Post	HV Cable	LV Cable
KEY	Screening Conductor Joint with/without Earth	Status - as per Key Below	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Manhole details: Cross-To be used, Filled-In use, Clear-Empty	Pedestrian Access Point	Platform	Sewer	Telecoms
Proposed Fibre & Civils Elements are shown in RED		All Existing Elements are shown in BLACK	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Buffer Stop	Water	Mast
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable								
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable								
All Recoveries are shown in GREEN		Existing Screen Cable								

Notes

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Contractor(s)

McNicholas **MURPHY**

ndc consultants

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Drawing Title	Barford St Martin West (1173) to Salisbury Core Node (SAIC)				

Network Rail

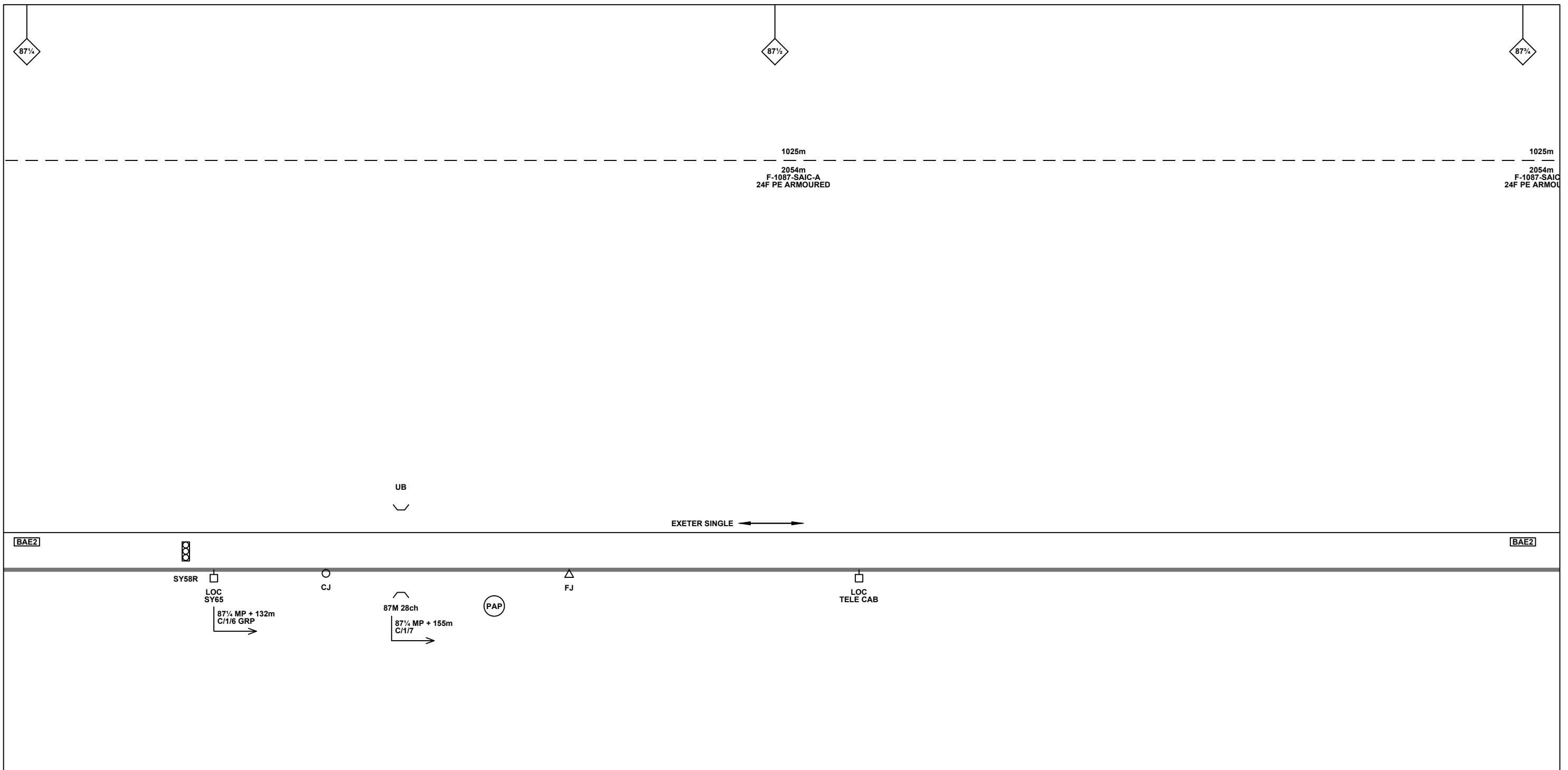
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 4

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet: 7 of 13

Revision: B



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Overbridge	Signal	Engineer's Line Reference	Crossing	Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Manhole	Vehicle Access Point	Mile Post	HV Cable	LV Cable
KEY	Screening Conductor Joint with/without Earth	Status - as per Key Below	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Manhole details: Cross-To be used, Filled-In use, Clear-Empty	Pedestrian Access Point	Platform	Sewer	Water
Proposed Fibre & Civils Elements are shown in RED		All Existing Elements are shown in BLACK	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Telephone	Gantry	Copper Blue
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable					Buffer Stop			Fibre Red
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable								Screen Green
All Recoveries are shown in GREEN		Existing Screen Cable								Mast

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
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Contractor(s)

Unit 4 Apex Park, Wainwright Road, Worcester, Worcestershire, WR4 9FN. Tel: 01905 756000

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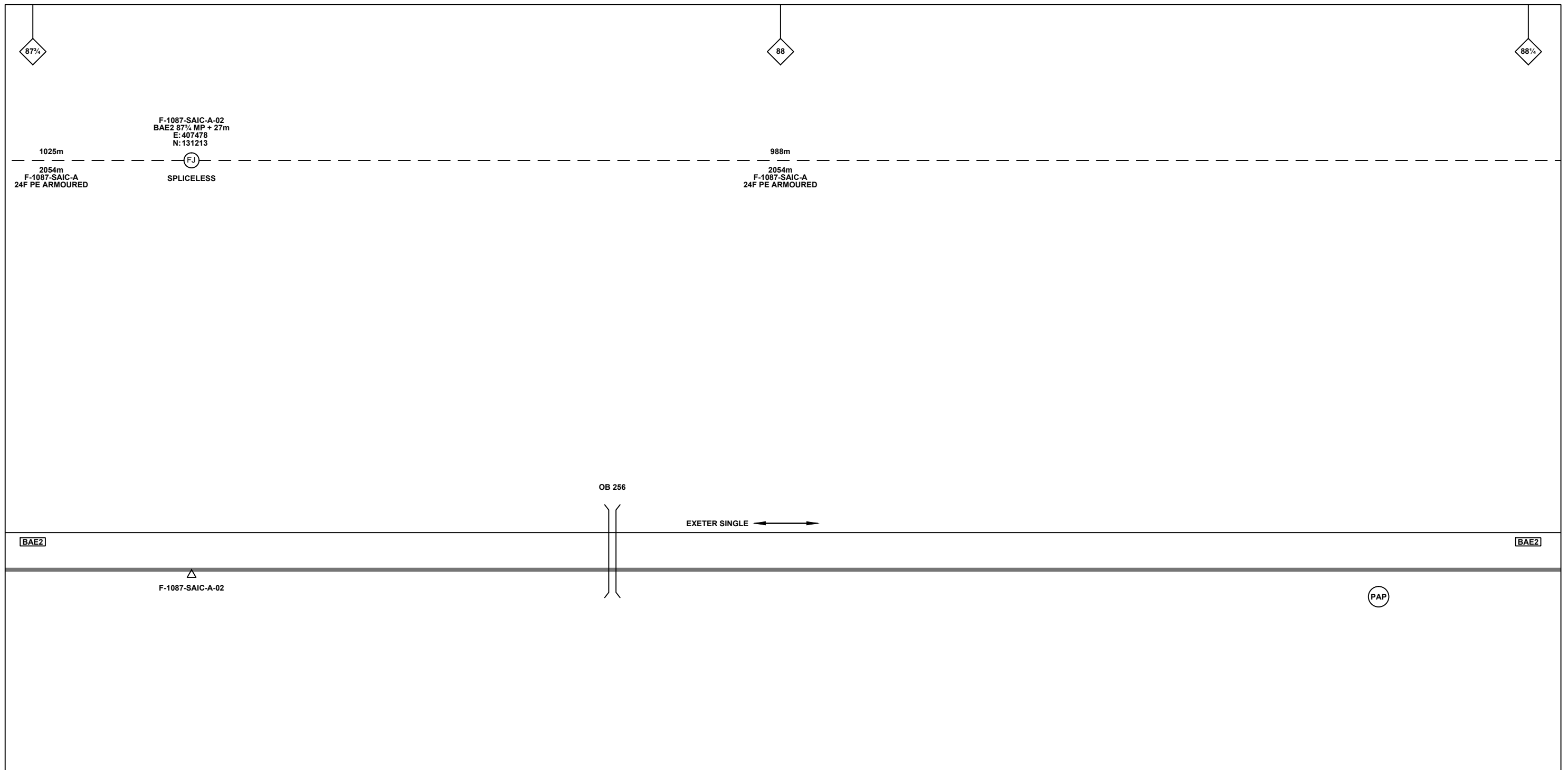
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 4

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet: 8 of 13

Revision: B



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Overbridge	Signal	Engineer's Line Reference	Crossing	Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Manhole	Vehicle Access Point	Mile Post	Gantry	HV Cable
KEY	Screening Conductor Joint with/without Earth	Status - as per Key Below	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Manhole details: Cross-To be used, Filled-In use, Clear-Empty	Pedestrian Access Point	Platform	Sewer	LV Cable
Proposed Fibre & Civils Elements are shown in RED		All Existing Elements are shown in BLACK	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Telephone	Water	Mast
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable					Buffer Stop			
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable								
All Recoveries are shown in GREEN		Existing Screen Cable								

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
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Contractor(s)

McNicholas **MURPHY**

ndc consultants

Unit 4 Apex Park, Wainwright Road, Worcester, Worcestershire, WR4 9FN. Tel: 01905 756000

Status: **As-Built**

Scale(s): NTS

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Drawing Title	Barford St Martin West (1173) to Salisbury Core Node (SAIC)				

Network Rail

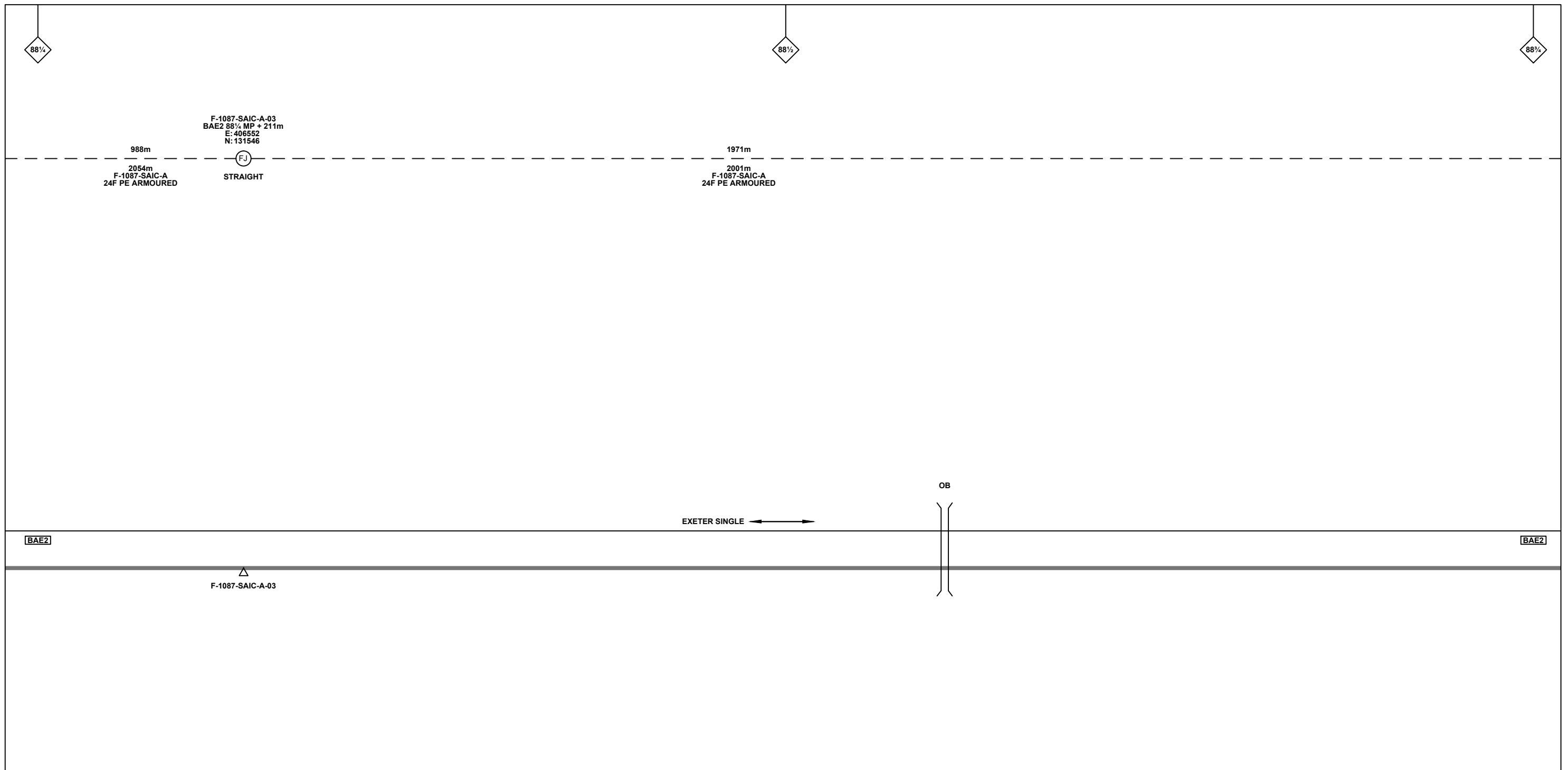
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 5

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet: 9 of 13

Revision: B



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Overbridge	Signal	Engineer's Line Reference	Crossing	Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Manhole	Vehicle Access Point	Mile Post	HV Cable	LV Cable
KEY	Screening Conductor Joint with/without Earth	Status - as per Key Below	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Manhole details: Cross-To be used, Filled-In use, Clear-Empty	Pedestrian Access Point	Platform	Sewer	Telecoms
Proposed Fibre & Civils Elements are shown in RED		All Existing Elements are shown in BLACK	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Telephone	Water	Mast
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable					Buffer Stop			
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable								
All Recoveries are shown in GREEN		Existing Screen Cable								

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Contractor(s)

Unit 4 Apex Park, Wainwright Road, Worcester, Worcestershire, WR4 9FN. Tel: 01905 756000

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Project	FTN/GSM-R Project Stage 2 As-Built				
Drawing Title	Barford St Martin West (1173) to Salisbury Core Node (SAIC)				

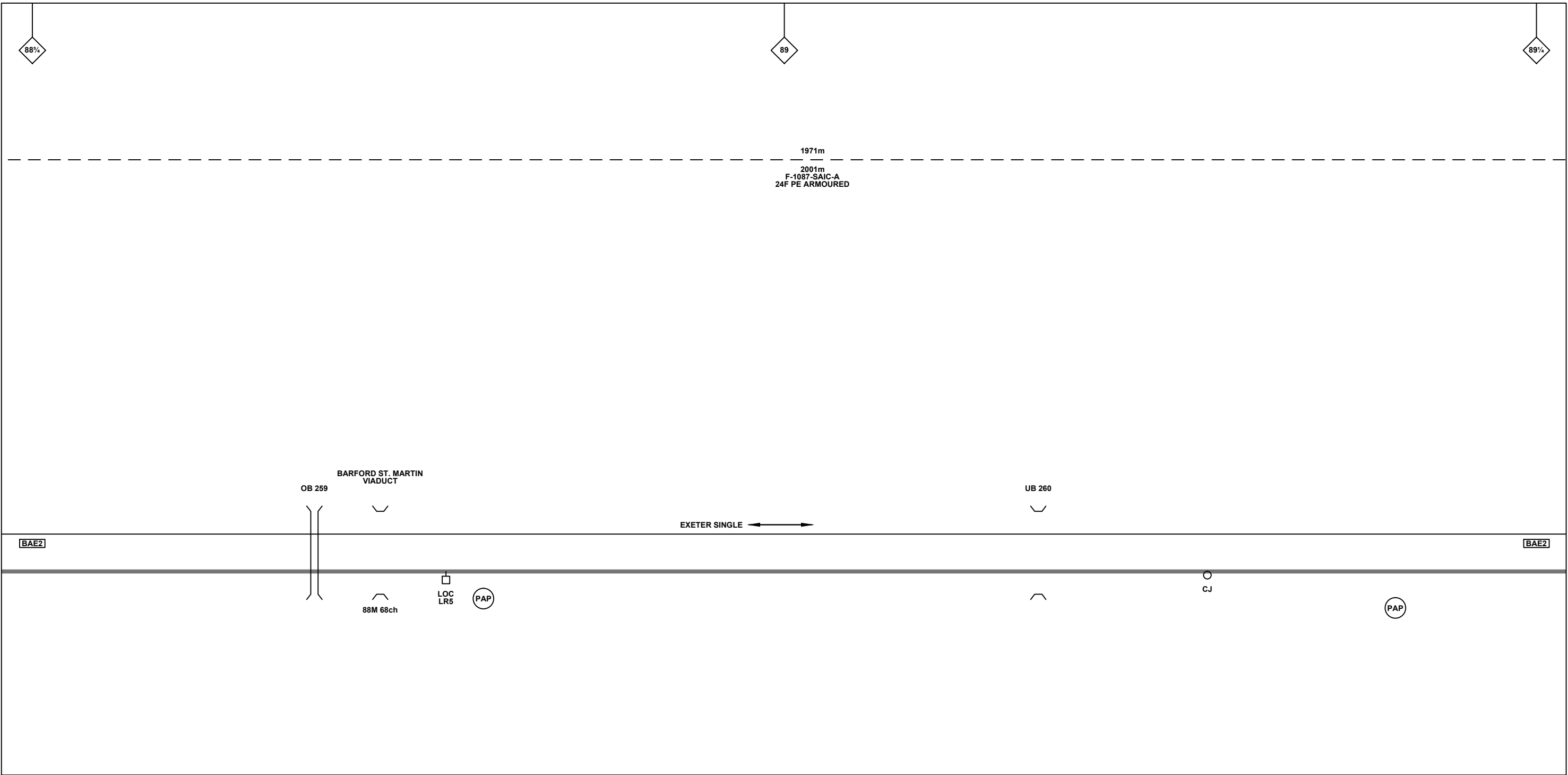
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 5

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet: 10 of 13

Revision: B



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Overbridge	Signal	Engineer's Line Reference	Crossing	Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Underbridge	Vehicle Access Point	Mile Post	HV Cable	LV Cable
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	Screening Conductor Joint with/without Earth	Manhole	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	Sewer	Telecoms
All Existing Elements are shown in BLACK	Existing Fibre Cable	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	Cable Pull	Water	Mast

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
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Contractor(s)

Unit 4 Apex Park, Wainwright Road, Worcester, Worcestershire, WR4 9FN. Tel: 01905 756000

Status: **As-Built**

Scale(s): NTS

ELR & Mileage: BAE1, BAE2 & SAL

Designed		Sign.		Date	
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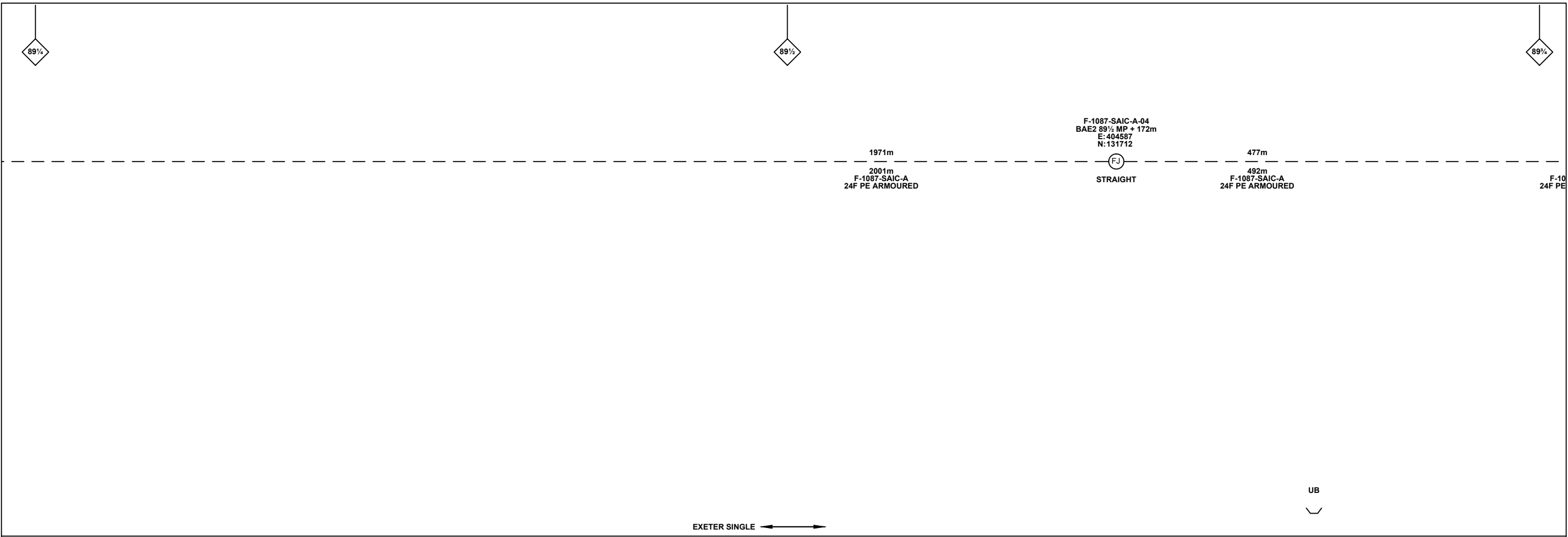
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 6

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet: 11 of 13

Revision: B



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Overbridge	Signal	Engineer's Line Reference	Crossing	Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Manhole	Vehicle Access Point	Mile Post	HV Cable	LV Cable
KEY	Screening Conductor Joint with/without Earth	Status - as per Key Below	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Manhole details: Cross-To be used, Filled-In use, Clear-Empty	Pedestrian Access Point	Platform	Sewer	Telecoms
Proposed Fibre & Civils Elements are shown in RED		All Existing Elements are shown in BLACK	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Telephone	Water	Mast
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable								
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable								
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Notes

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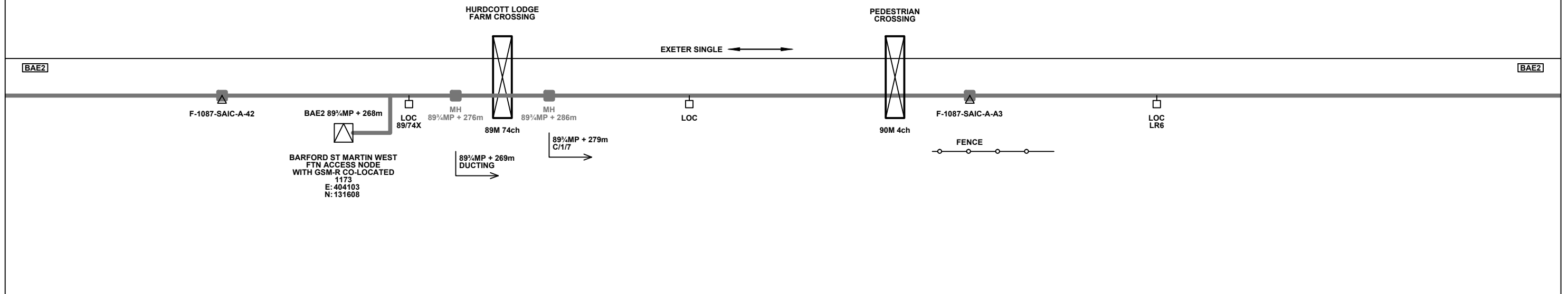
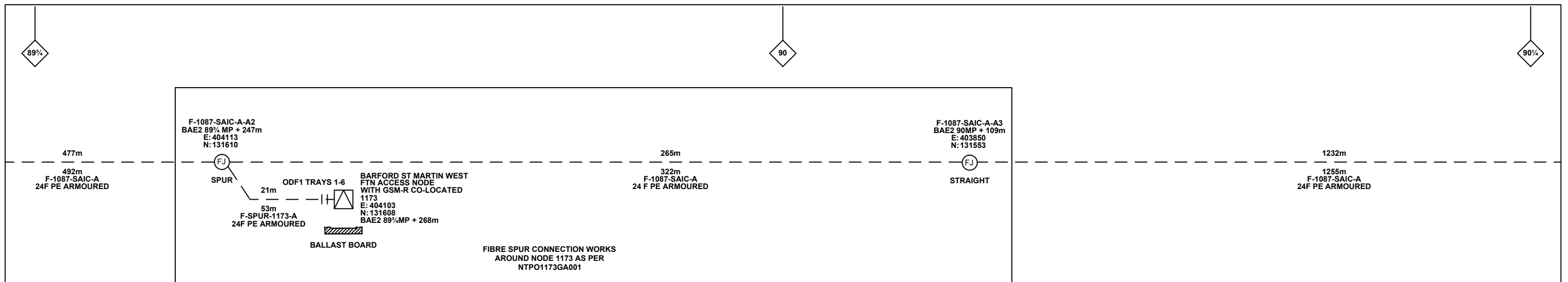
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Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 6

Drawing Number: NTPO\SLD\1173\SAIC\001

Sheet: 12 of 13

Revision: B



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Overbridge	Signal	Engineer's Line Reference	Crossing	Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Cable - Type Identified by FTN Code	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV Cable
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Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	31/05/13	Stage 2 As-Built	TT	KS	CT
A	25/10/11	Redrafted from 1174-SAIC-SLD-V1.1.dwg + 1173-1174-SLD-V1.1.dwg + 1172-1173-SLD-V1.1.dwg	SH	JW	CT

Contractor(s)

Unit 4 Apex Park, Wainwright Road, Worcester, Worcestershire, WR4 9FN. Tel: 01905 756000

Status: **As-Built**

Scale(s): NTS

ELR & Mileage: BAE1, BAE2 & SAL

Designed		Sign.		Date	
Drawn	Stephen Holder	Sign.		Date	25/10/2011
Checked	Joe Winter	Sign.		Date	25/10/2011
Approved	Chris Tappenden	Sign.		Date	25/10/2011
Project	FTN/GSM-R Project Stage 2 As-Built				
Drawing Title	Barford St Martin West (1173) to Salisbury Core Node (SAIC)				

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

Alternative Reference: See Layout Tab 841 x 297 Sheet 7

Drawing Number: NTPO\SLD\1173\SAIC\001

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Revision: B