

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

Notes

C	05.05.11	Amended As Per NWR Design Review	DA	JW	CT
B	24.11.10	Stage 2 Design - First Issue	MB	JW	CT
A	09.10.08	Final Issue		DH	
DA	18.09.08	1st Issue		AEL	
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

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

Design
 ELR & Mileage
 PAA2

Contractor(s)
 NTS

Designed	Sign.	Date
Drawn	Mike Bonner	23.11.10
Checked	Joe Winter	23.11.10
Approved	Chris Tappendan	23.11.10
Project	FTN / GSM-R Project Stage 2 Design	
Drawing Title	Bentley Station (2329) to Alton Station (2330)	

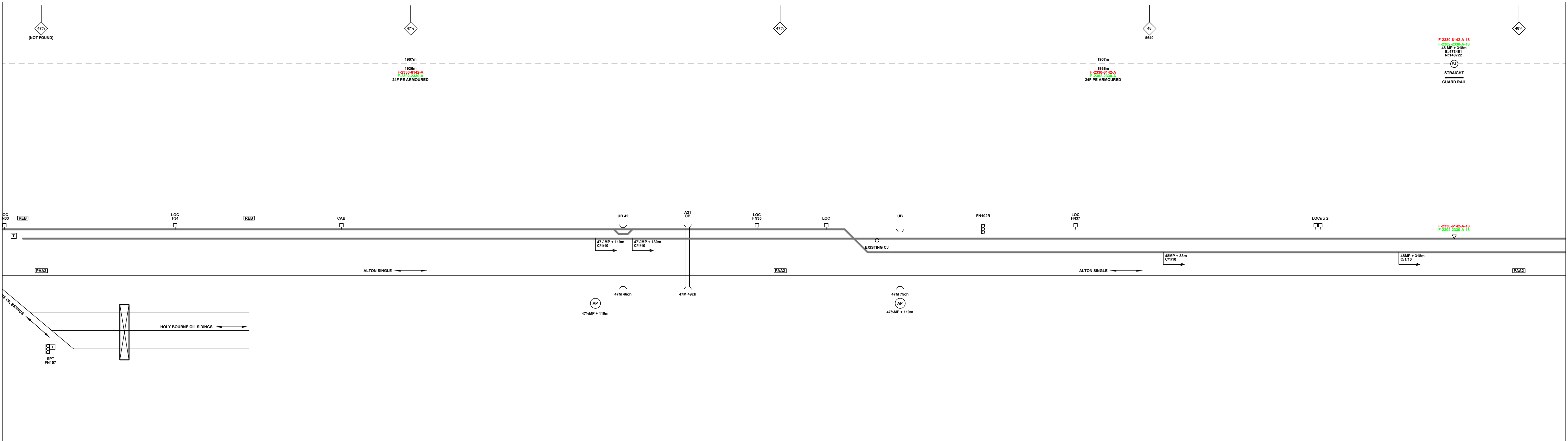
Network Rail

FTN/GSM-R Project
 Tournament House
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 W2 1HA

Alternative Reference
 See Layout Tab A3 Sheets 5 and 6

Drawing Number
 NTP0\SLD\2329\2330\001

Sheet 3 of 5
 Revision C



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	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks
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
All Existing Elements are shown in BLACK	Sheath Gap Copper	Status - as per Key Below	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Manhole details: Cross-To be used, Filled-In use, Clear-Empty
Existing Fibre Cable	Existing Copper Cable	Existing Screen Cable	Overbridge	Signal	Engineer's Line Reference
Existing Screen Cable	Tunnel	Earth Farm	Underbridge	Vehicle Access Point	Mile Post
Cable Pull	Buffer Stop	Platform	Pedestrian Access Point	Telephone	Crossing
Copper Blue Fibre Red Screen Green	AC Stanchion	Gas Line	Sewer	Water	Gantry

Notes

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Rev	Date	Description of Revisions	Drawn	Chkd	Appr

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Design

Scale(s): NTS
ELR & Mileage: PAA2

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Approved	Chris Tappendan	23.11.10
Project	FTN / GSM-R Project Stage 2 Design	
Drawing Title	Bentley Station (2329) to Alton Station (2330)	

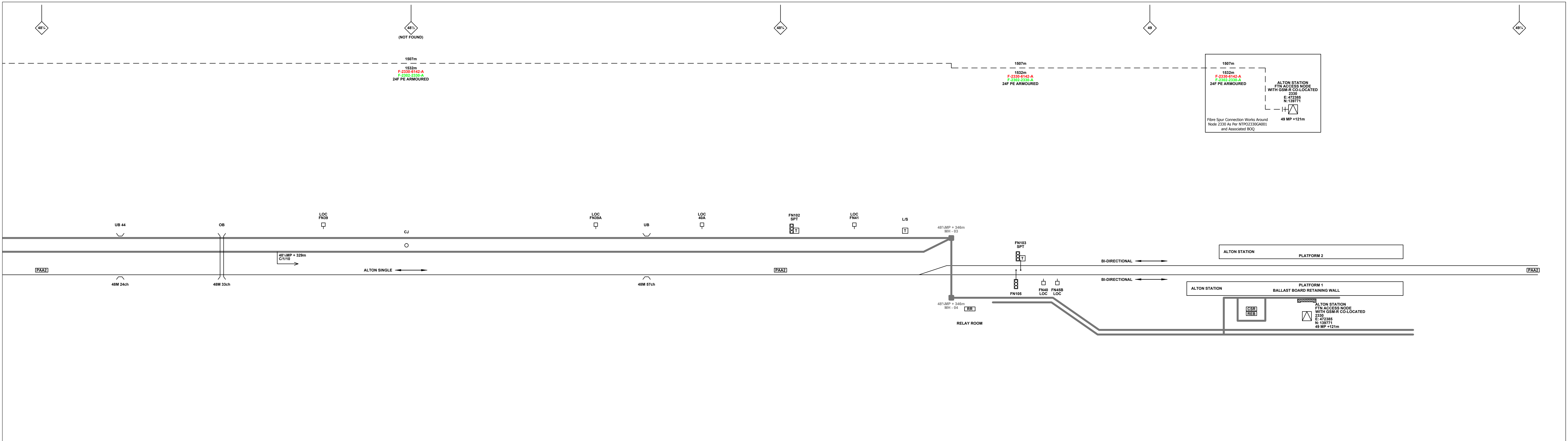
Network Rail

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W2 1HA

Alternative Reference: See Layout Tab A3 Sheets 7 and 8

Drawing Number: NTP0\SLD\2329\2330\001

Sheet 4 of 5
Revision C



Legend

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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

C	05.05.11	Amended As Per NWR Design Review	DA	JW	CT
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Contractor(s)

Design

ELR & Mileage
 PAA2

Scale(s)
 NTS

Designed	Sign.	Date
Drawn	Sign.	Date
Checked	Sign.	Date
Approved	Sign.	Date
Project	FTN / GSM-R Project Stage 2 Design	
Drawing Title	Bentley Station (2329) to Alton Station (2330)	

Network Rail

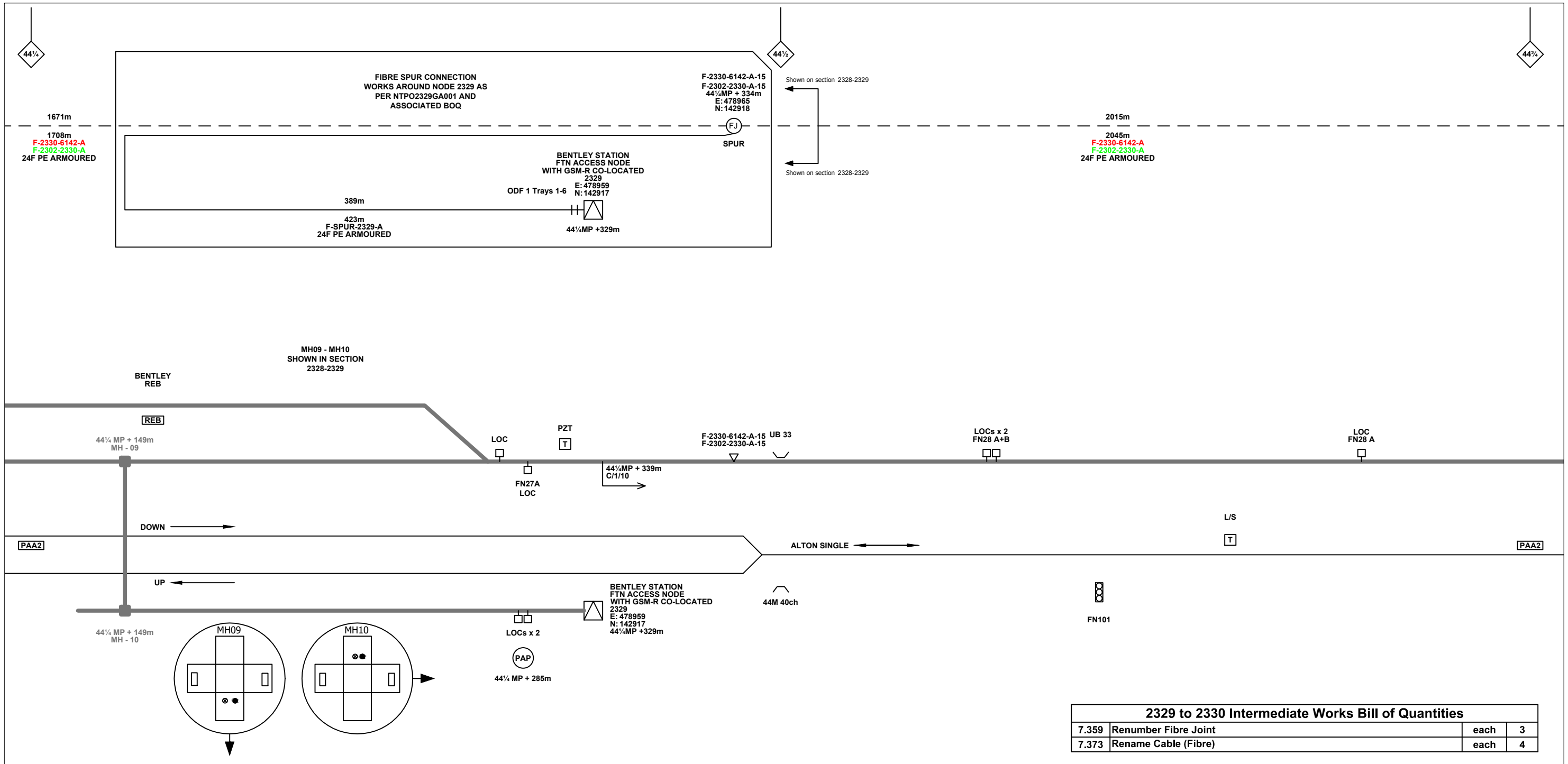
FTN/GSM-R Project
 Tournament House
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Alternative Reference
 See Layout Tab A3 Sheets 9 and 10

Drawing Number
 NTP0\SLD\2329\2330\001

Sheet
 5 of 5

Revision
 C



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 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	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		Earth Farm		SEW	Sewer
					Sheath Gap Copper		FTN Access Node with GSM-R Colocated		Fibre Joint Routeworks		Buffer Stop		Telephone		Cable Pull		AC Stanchion		W	Water		

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

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



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Status: **Design**

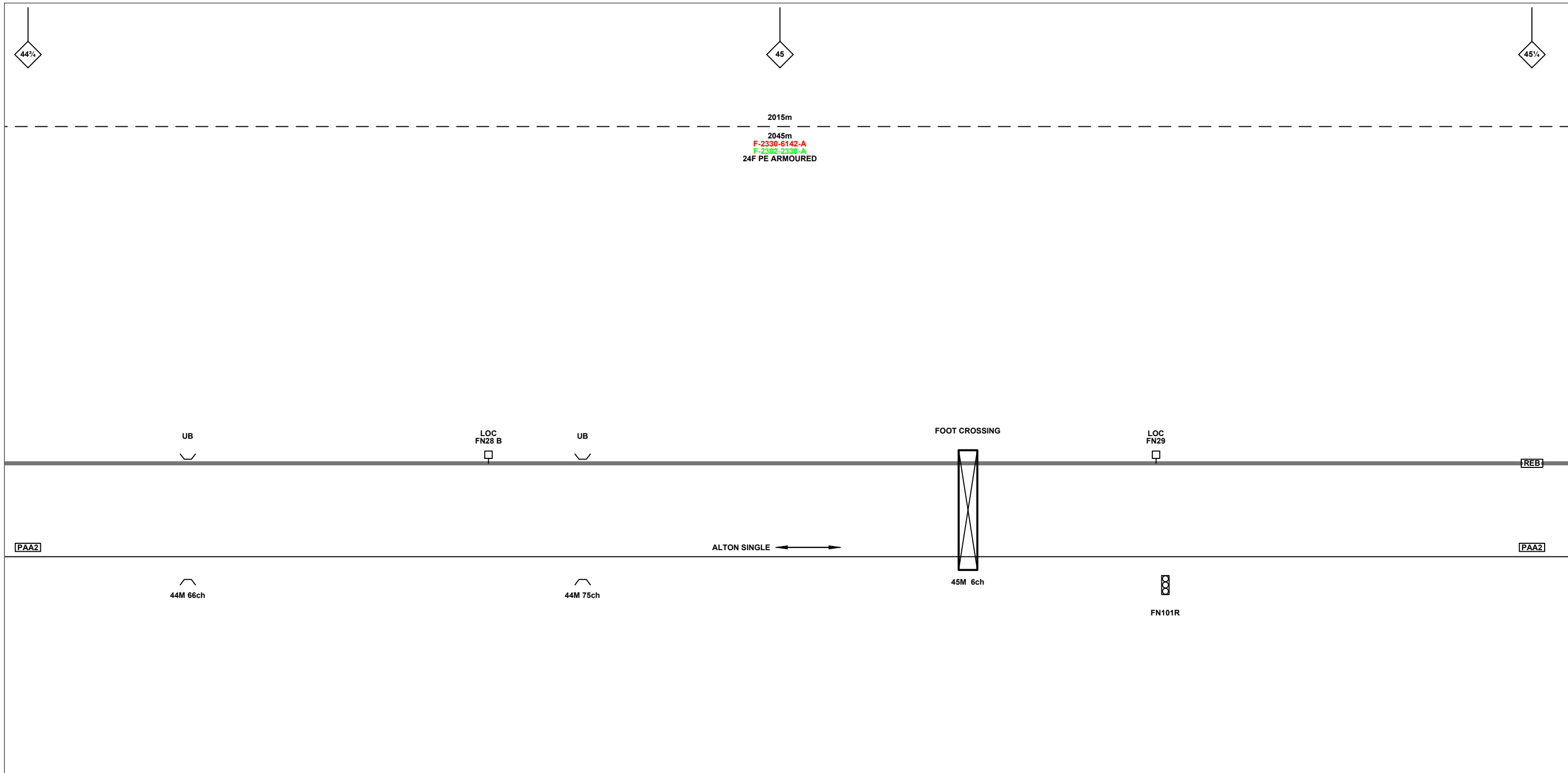
Scale(s): NTS, ELR & Mileage, PAA2

Designed	Sign.	Date
Drawn	Sign.	Date 23.11.10
Checked	Sign.	Date 23.11.10
Approved	Sign.	Date 23.11.10
Project		
FTN / GSM-R Project Stage 2 Design		
Drawing Title		
Bentley Station (2329) to Alton Station (2330)		



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Paddington
London
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Alternative Reference	See Layout Tab 841 x 297 Sheet 1	Sheet	1 of 10
Drawing Number	NTPO\SLD\2329\2330\001	Revision	C



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	MLN1	Engineer's Line Reference	Crossing	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	Underbridge	VAP	PAP	Vehicle Access Point	Mile Post	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	Sheath Gap Copper	Tunnel	Earth Farm	Buffer Stop	Telephone	Platform	LV	LV Cable
Proposed Fibre & Civils Elements are shown in RED		All Existing Elements are shown in BLACK		FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks		Gantry				Cable Pull	SEW	Sewer
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable					Water				AC Stanchion	TEL	Telecoms
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable										W	Water
All Recoveries are shown in GREEN		Existing Screen Cable											

Notes

C	05.05.11	Amended As Per NWR Design Review	DA	JW	CT
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Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

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Status: **Design**

Scale(s): NTS

ELR & Mileage: PAA2

Designed	Sign.	Date
Drawn	Sign.	Date 23.11.10
Checked	Sign. <i>M.L.</i>	Date 23.11.10
Approved	Sign. <i>Chris Tappendan</i>	Date 23.11.10
Project: FTN / GSM-R Project Stage 2 Design		
Drawing Title: Bentley Station (2329) to Alton Station (2330)		

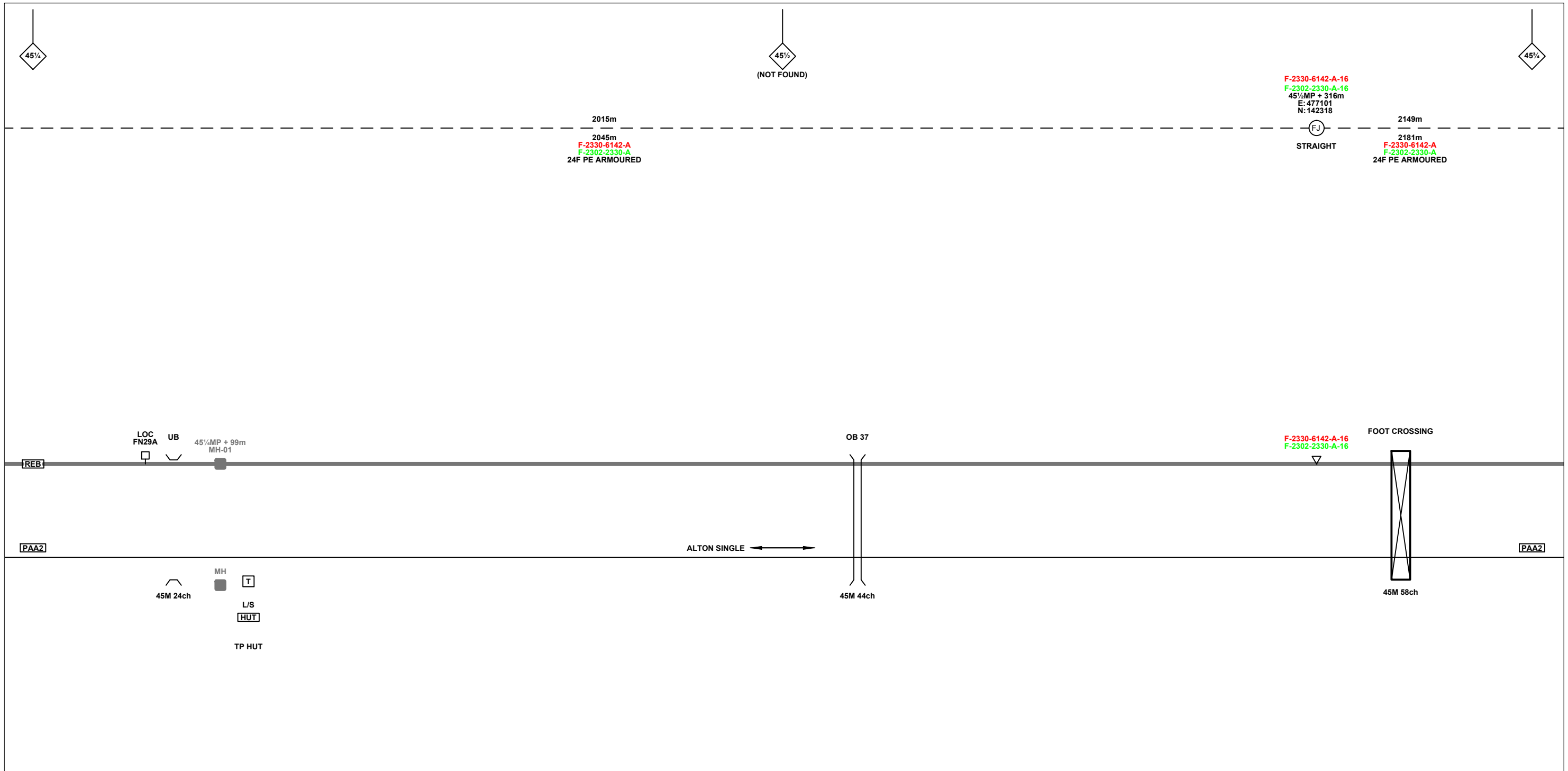
FTN/GSM-R Project
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Alternative Reference: See Layout Tab 841 x 297 Sheet 1

Drawing Number: NTPO\SLD\2329\2330\001

Sheet: 2 of 10

Revision: C



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	Vehicle Access Point	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 Filled-In use Clear-Empty	Pedestrian Access Point	Platform	Cable Pull	LV	LV	LV Cable
Proposed Fibre & Civils Elements are shown in RED										SEW	SEW	Sewer
Proposed Copper Elements are shown in BLUE										TEL	TEL	Telecoms
Proposed Screening Elements are shown in MAGENTA										W	W	Water
All Recoveries are shown in GREEN										AC Stanchion	AC Stanchion	AC Stanchion
All Existing Elements are shown in BLACK												
Existing Fibre Cable												
Existing Copper Cable												
Existing Screen Cable												

Notes

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Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

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Status: **Design**

Scale(s): NTS, PAA2

ELR & Mileage: PAA2

Designed	Sign.	Date
Drawn	Sign.	Date 23.11.10
Checked	Sign. <i>M.L.</i>	Date 23.11.10
Approved	Sign. <i>Chris Tappendan</i>	Date 23.11.10
Project: FTN / GSM-R Project Stage 2 Design		
Drawing Title: Bentley Station (2329) to Alton Station (2330)		

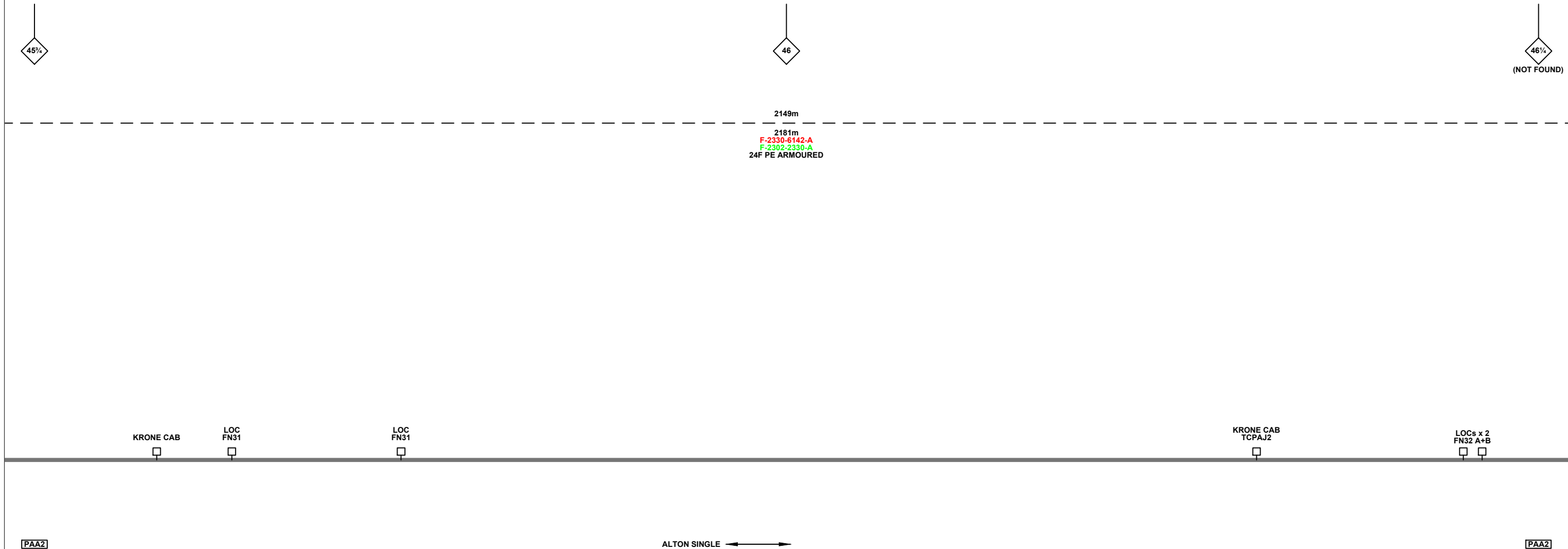
FTN/GSM-R Project
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Alternative Reference: See Layout Tab 841 x 297 Sheet 2

Drawing Number: NTPO\SLD\2329\2330\001

Sheet: 3 of 10

Revision: C



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	AC Stanchion
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								

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
C	05.05.11	Amended As Per NWR Design Review	DA	JW	CT
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Contractor(s)

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

Status: **Design**

Scale(s): NTS

ELR & Mileage: PAA2

Designed	Sign.	Date
Drawn	Sign.	Date 23.11.10
Checked	Sign. <i>M.L.</i>	Date 23.11.10
Approved	Sign. <i>Chris Tappendan</i>	Date 23.11.10
Project: FTN / GSM-R Project Stage 2 Design		
Drawing Title: Bentley Station (2329) to Alton Station (2330)		

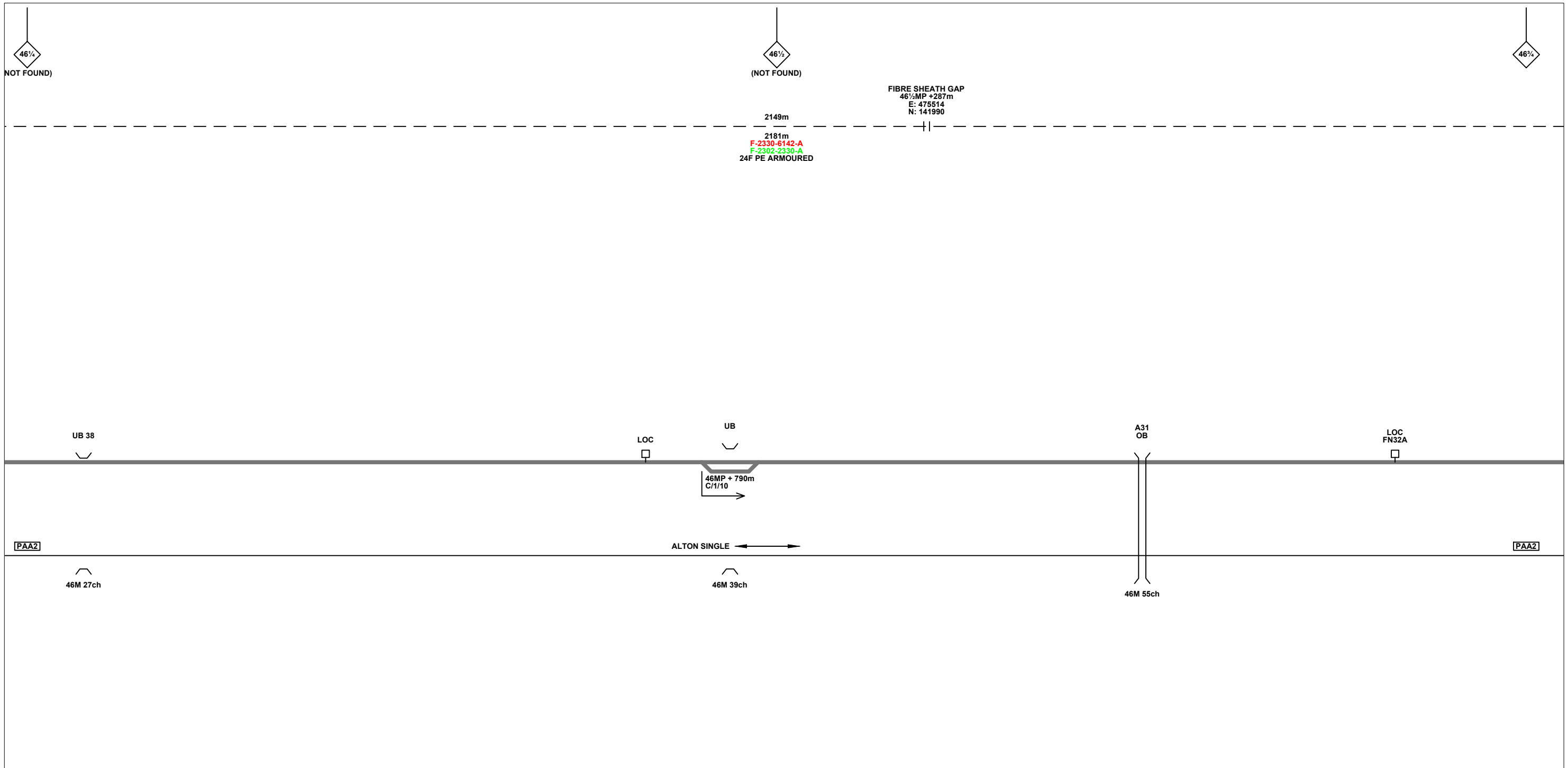
FTN/GSM-R Project
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London
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Alternative Reference: See Layout Tab 841 x 297 Sheet 2

Drawing Number: NTPO\SLD\2329\2330\001

Sheet: 4 of 10

Revision: C



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	VAP Access Point	Mile Post	HV — HV — HV Cable	LV — LV — LV Cable
KEY	Screening Conductor Joint with/without Earth	Status - as per Key Below	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Sheath Gap Copper	PAP Access Point	Platform	SEW — SEW — Sewer	TEL — TEL — Telecoms
Proposed Fibre & Cables Elements are shown in RED		All Existing Elements are shown in BLACK	Tunnel	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks		Earth Farm	Telephone	W — W — Water	AC Stanchion
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable	Manhole details: Cross-To be used, Filled-In use, Clear-Empty				Buffer Stop		Copper Blue Fibre Red Screen Green	
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable								
All Recoveries are shown in GREEN		Existing Screen Cable								

Notes

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Status: **Design**

Scale(s): NTS

ELR & Mileage: PAA2

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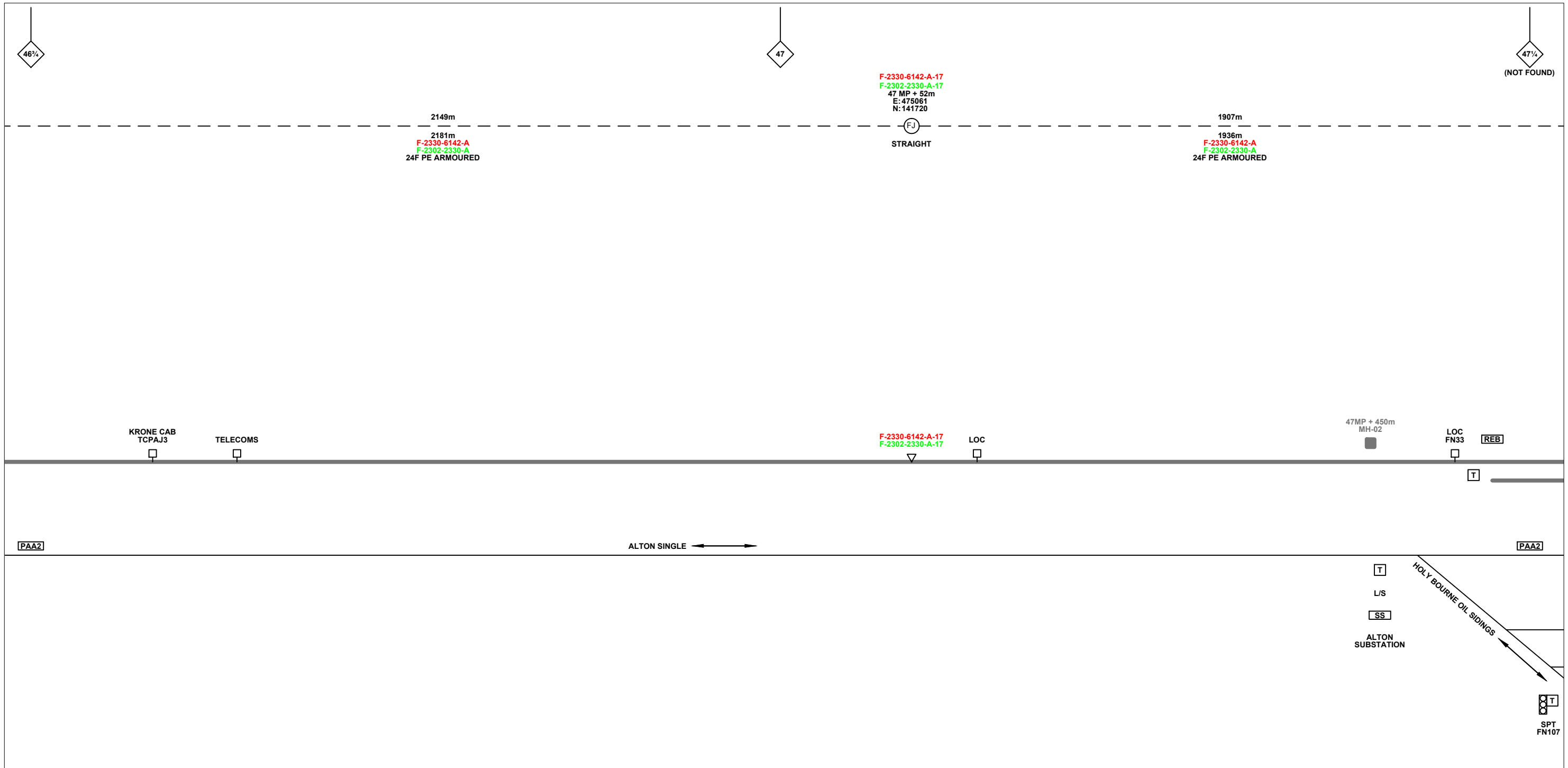
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Tournament House
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Alternative Reference: See Layout Tab 841 x 297 Sheet 3

Drawing Number: NTPO\SLD\2329\2330\001

Sheet: 5 of 10

Revision: C



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	Vehicle Access Point	Mile Post	Gantry	HV — HV — HV Cable
KEY	Screening Conductor Joint with/without Earth	Status - as per Key Below	Manhole	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	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Buffer Stop	W — W — Water	Cable Pull
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable	Sheath Gap Copper						AC Stanchion	
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable								
All Recoveries are shown in GREEN		Existing Screen Cable								

Notes

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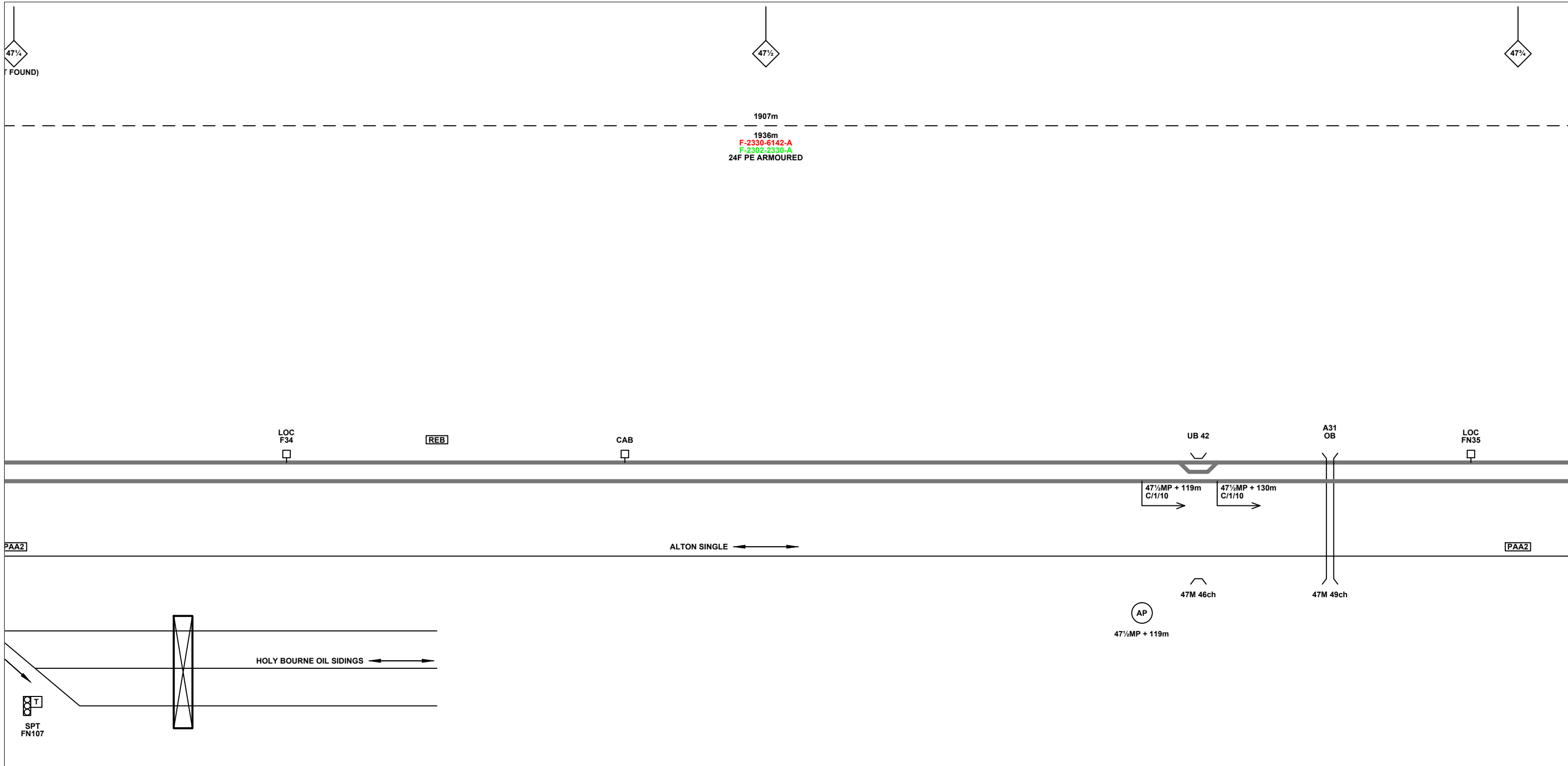
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Alternative Reference: See Layout Tab 841 x 297 Sheet 3

Drawing Number: NTPO\SLD\2329\2330\001

Sheet: 6 of 10

Revision: C



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	Vehicle Access Point	Mile Post	Gantry	HV — HV — HV Cable
KEY	Screening Conductor Joint with/without Earth	Status - as per Key Below	Manhole	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	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Buffer Stop	Telephone	TEL — TEL — Telecoms
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable	Sheath Gap Copper							W — W — Water
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable								Cable Pull
All Recoveries are shown in GREEN		Existing Screen Cable								AC Stanchion

Notes

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Contractor(s)

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Status: **Design**

Scale(s): NTS

ELR & Mileage: PAA2

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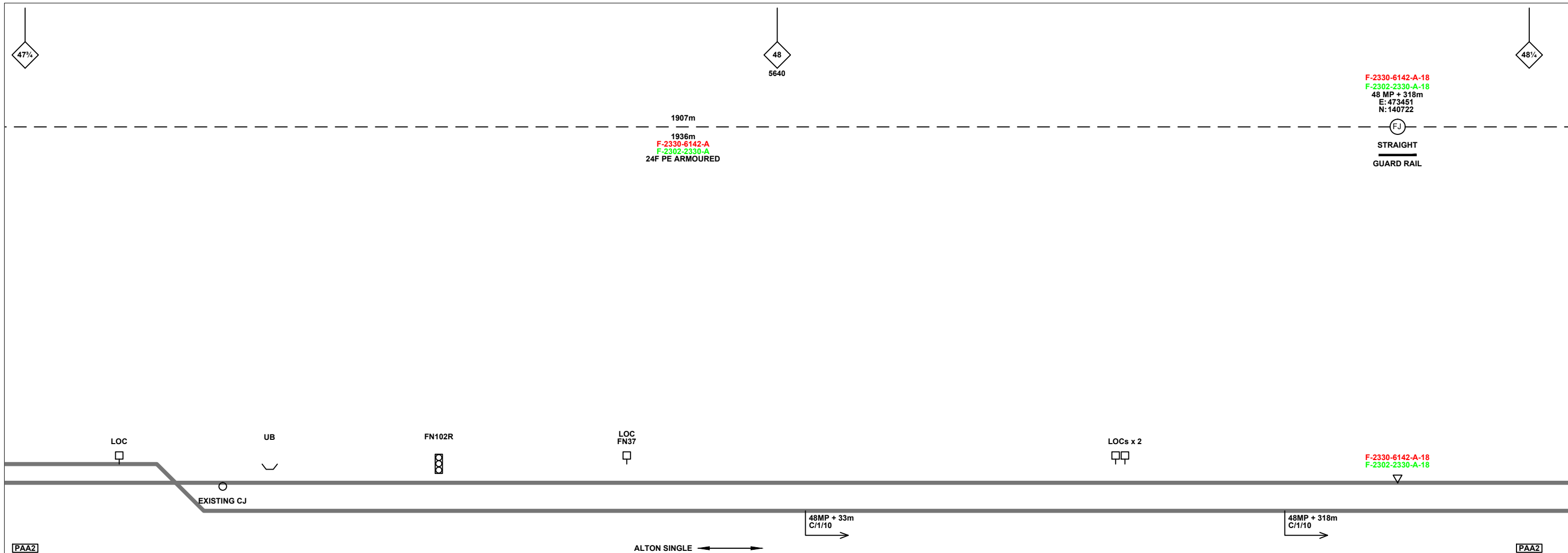
FTN/GSM-R Project
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Alternative Reference: See Layout Tab 841 x 297 Sheet 4

Drawing Number: NTPO\SLD\2329\2330\001

Sheet: 7 of 10

Revision: C



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	Vehicle Access Point	Mile Post	Gantry	HV — HV — HV Cable
KEY	Screening Conductor Joint with/without Earth	Status - as per Key Below	Manhole	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	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Telephone	TEL — TEL — Telecoms	W — W — Water
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable	Sheath Gap Copper				Buffer Stop		Cable Pull	AC Stanchion
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)

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Status: **Design**

Scale(s): NTS

ELR & Mileage: PAA2

Designed	Sign.	Date
Drawn	Sign.	Date 23.11.10
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Project: FTN / GSM-R Project Stage 2 Design		
Drawing Title: Bentley Station (2329) to Alton Station (2330)		

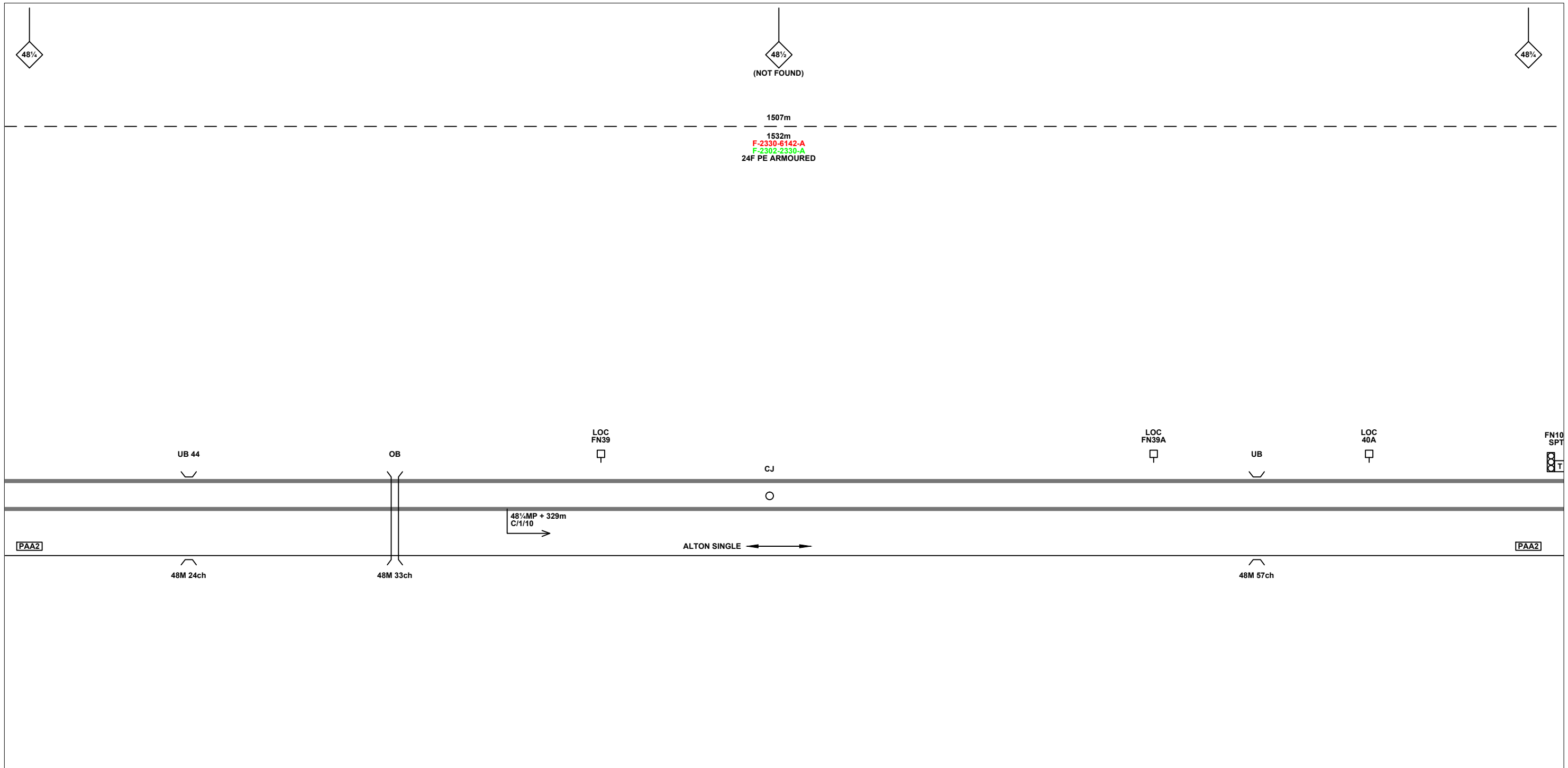
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 4

Drawing Number: NTPO\SLD\2329\2330\001

Sheet: 8 of 10

Revision: C



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 — 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	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV — HV — 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	Sheath Gap Copper	Tunnel	Pedestrian Access Point	Platform	SEW — SEW — Sewer	LV — LV — LV Cable
Proposed Fibre & Civils Elements are shown in RED		2034m F-DIDC-RGAC-A	Status - as per Key Below	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks		Earth Farm	Buffer Stop	Telephone	TEL — TEL — Telecoms	W — W — Water
Proposed Copper Elements are shown in BLUE		All Existing Elements are shown in BLACK	Existing Fibre Cable				Cable Pull			AC Stanchion	
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable	Existing Copper Cable								
All Recoveries are shown in GREEN		Existing Screen Cable	Existing Screen Cable								

Notes

C	05.05.11	Amended As Per NWR Design Review	DA	JW	CT
B	24.11.10	Stage 2 Design - First Issue	MB	JW	CT
A	09.10.08	Final Issue		DH	
DA	18.09.08	1st Issue		AEL	
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

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

Status: **Design**

Scale(s): NTS

ELR & Mileage: PAA2

Designed	Sign.	Date
Drawn	Mike Bonner	23.11.10
Checked	Joe Winter	23.11.10
Approved	Chris Tappendan	23.11.10
Project	FTN / GSM-R Project Stage 2 Design	
Drawing Title	Bentley Station (2329) to Alton Station (2330)	

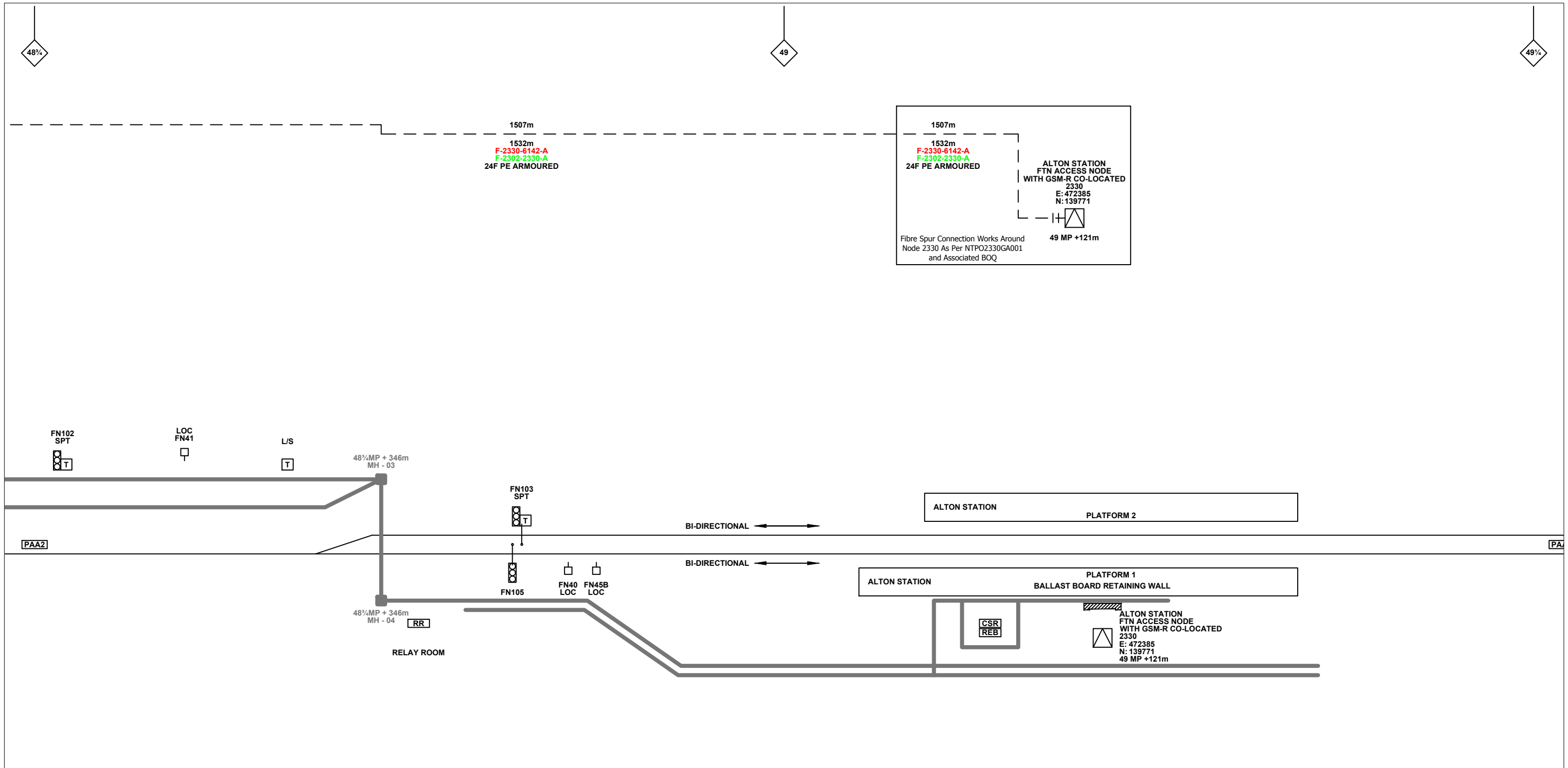
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 5

Drawing Number: NTPO\SLD\2329\2330\001

Sheet: 9 of 10

Revision: C



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	Vehicle Access Point	Mile Post	HV — HV — HV Cable	LV — LV — LV 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 Filled-In use Clear-Empty	Pedestrian Access Point	Platform	SEW — SEW — Sewer	TEL — TEL — 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	W — W — Water	AC Stanchion
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable							Cable Pull	Copper Blue Fibre Red Screen Green
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable								
All Recoveries are shown in GREEN		Existing Screen Cable								

Notes

C	05.05.11	Amended As Per NWR Design Review	DA	JW	CT
B	24.11.10	Stage 2 Design - First Issue	MB	JW	CT
A	09.10.08	Final Issue		DH	
DA	18.09.08	1st Issue		AEL	
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

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

Status: **Design**

Scale(s): NTS

ELR & Mileage: PAA2

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FTN/GSM-R Project
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Alternative Reference: See Layout Tab 841 x 297 Sheet 5

Drawing Number: NTP0\SLD\2329\2330\001

Sheet: 10 of 10

Revision: C