

**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	Electrical Control Room	Manhole	Core Node with GSM-R Colocated	Copper Joint Routeworks	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV Cable	HV Cable
<b>KEY</b>	Screening Conductor Joint with/without Earth	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	Gas	LV Cable	LV Cable	Sewer
Proposed Fibre & Civils Elements are shown in RED	Existing Fibre Cable	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Form	Buffer Stop	Telephone	Cable Pull	Copper Blue Fibre	Red Screen	Green Screen
Proposed Copper Elements are shown in BLUE	Existing Copper Cable								Mast		
Proposed Screening Elements are shown in MAGENTA	Existing Screen Cable										
All Recoveries are shown in GREEN											

**Notes**

D	15/08/2012	Stage 2 As Built	JAG	MG	JH
C	11/07/12	Stage 2 Design- First Issue	SH	JW	CT
B	21/04/10	Drawing was Previously NTPO\SLD\2309\2310\001A. Redrawn For As-Built Purposes	MT	RP	AA
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

**Linbrooke**  
Total Network Solutions

Contractor(s)

Status: **As Built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed	Stephen Holder	Sign.	[Signature]	Date	11/07/2012
Checked	Joe Winter	Sign.	[Signature]	Date	11/07/2012
Approved	Chris Tappenden	Sign.	[Signature]	Date	11/07/2012
Project	FTN/GSM-R Project Stage 2 As Built				
Drawing Title	Witley Combe Lane (2309) to Haslemere Cutting (2310)				

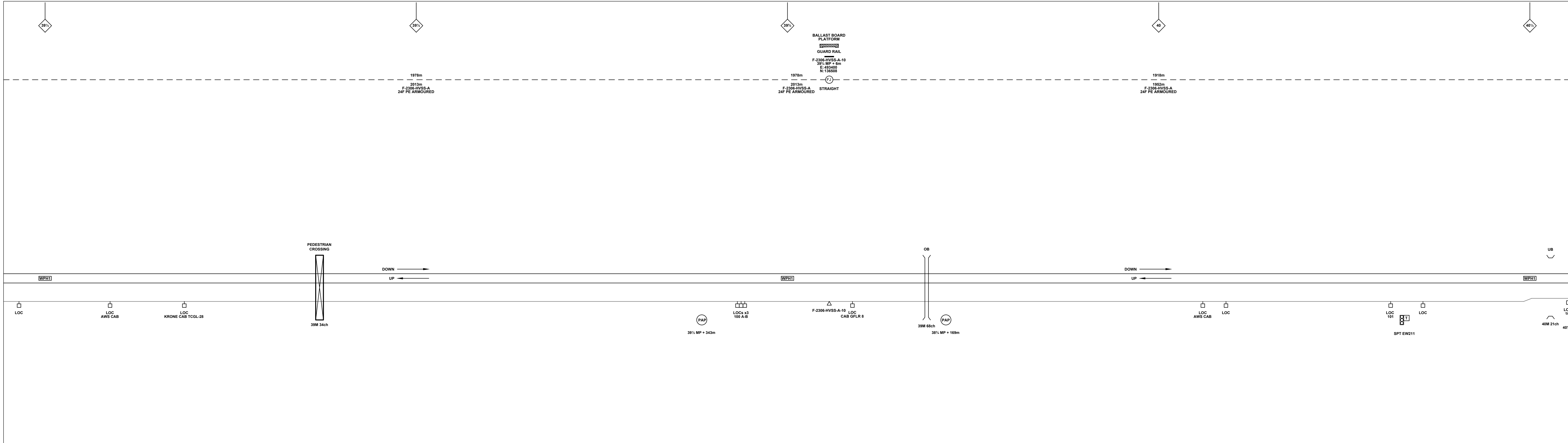
**Network Rail**

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

Alternative Reference: See Layout Tab A3 Sheets 1 and 2

Drawing Number: NTPO\SLD\2309\2310\001

Sheet 1 of 4  
Revision D



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

**Notes**

D	15/08/2012	Stage 2 As Built	JAG	MG	JH
C	11/07/12	Stage 2 Design- First Issue	SH	JW	CT
B	21/04/10	Drawing was Previously NTPOSLD2309230901A. Redrawn For As-Built Purposes	MT	RP	AA
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

Status: **As Built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed	Stephen Holder	Sign.	[Signature]	Date	11/07/2012
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Approved	Chris Tappenden	Sign.	[Signature]	Date	11/07/2012
Project	FTN/GSM-R Project Stage 2 As Built				
Drawing Title	Witley Combe Lane (2309) to Haslemere Cutting (2310)				

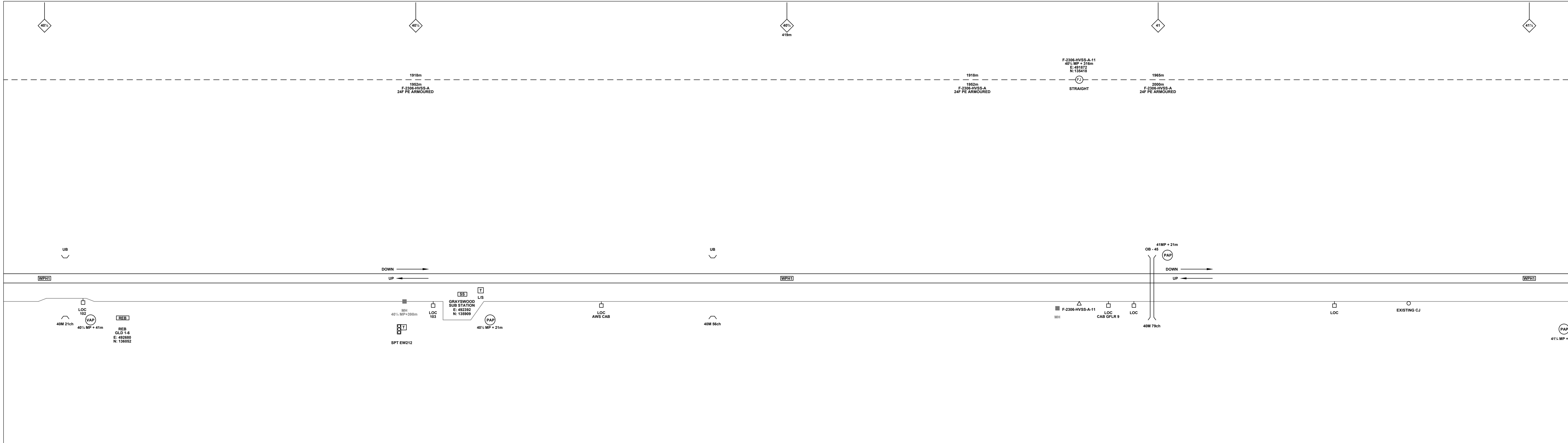
FTN/GSM-R Project  
Tournament House  
Passington  
London  
W2 1HA

Alternative Reference: See Layout Tab A3 Sheets 3 and 4

Drawing Number: NTPO\SLD\2309\2310\001

Revision: **D**

Sheet 2 of 4



**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	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
<b>KEY</b>	Screening Conductor Joint with/without Earth	Status - as per Key Below	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Tunnel	Earth Form	Pedestrian Access Point	Platform
Proposed Fibre & Civils Elements are shown in RED	Existing Fibre Cable	Existing Copper Cable	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Buffer Stop	Telephone	Cable Pull	Mast
Proposed Copper Elements are shown in BLUE	Existing Screen Cable								
Proposed Screening Elements are shown in MAGENTA									
All Existing Elements are shown in BLACK									
All Recoveries are shown in GREEN									

**Notes**

D	15/08/2012	Stage 2 As Built	JAG	MG	JH
C	11/07/12	Stage 2 Design- First Issue	SH	JW	CT
B	21/04/10	Drawing was Previously NTPO\SLD\2309\2310\001A. Redrawn For As-Built Purposes	MT	RP	AA
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

Status: **As Built**

Scale(s): NTS

ELR & Mileage: WPH1

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Approved	Chris Tappenden	Sign.	[Signature]	Date	11/07/2012
Project	FTN/GSM-R Project Stage 2 As Built				
Drawing Title	Witley Combe Lane (2309) to Haslemere Cutting (2310)				

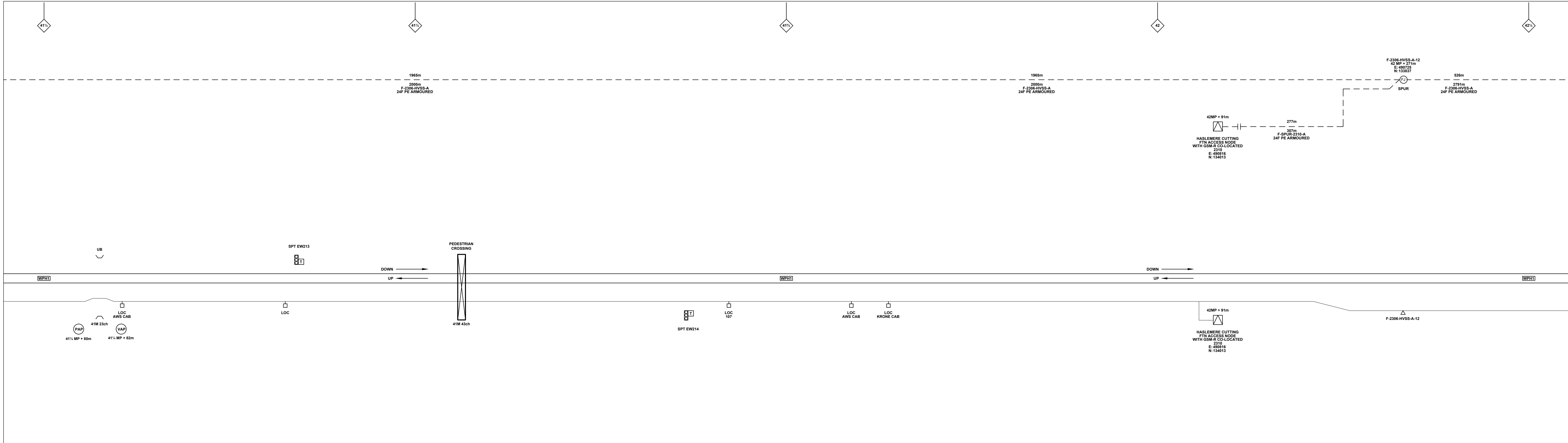
FTN/GSM-R Project  
Tournament House  
Reading  
London  
W2 1HA

Alternative Reference: See Layout Tab A3 Sheets 5 and 6

Sheet: 3 of 4

Revision: D

Drawing Number: NTPO\SLD\2309\2310\001



**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	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Mid Length Sheath Gap Fibre	Underbridge	Vehicle Access Point	Mile Post
<b>KEY</b>	Screening Conductor Joint with/without Earth	Status - as per Key Below	Manhole	FTN Access Node	Cabinet Routeworks	Sheath Gap Copper	Tunnel	Pedestrian Access Point	Platform
Proposed Fibre & Civils Elements are shown in RED		All Existing Elements are shown in BLACK	Manhole	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks		Earth Form	Buffer Stop	Telephone
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable	Manhole	FTN Access Node with GSM-R Colocated			Cable Pull	Mast	
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable	Manhole						
All Recoveries are shown in GREEN		Existing Screen Cable							

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

**Notes**

D	15/08/2012	Stage 2 As Built	JAG	MG	JH
C	11/07/12	Stage 2 Design- First Issue	SH	JW	CT
B	21/04/10	Drawing was Previously NTPOSLD2309230901A. Redrawn For As-Built Purposes	MT	RP	AA
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

Status: **As Built**

Scale(s):

ELR & Mileage: WPH1

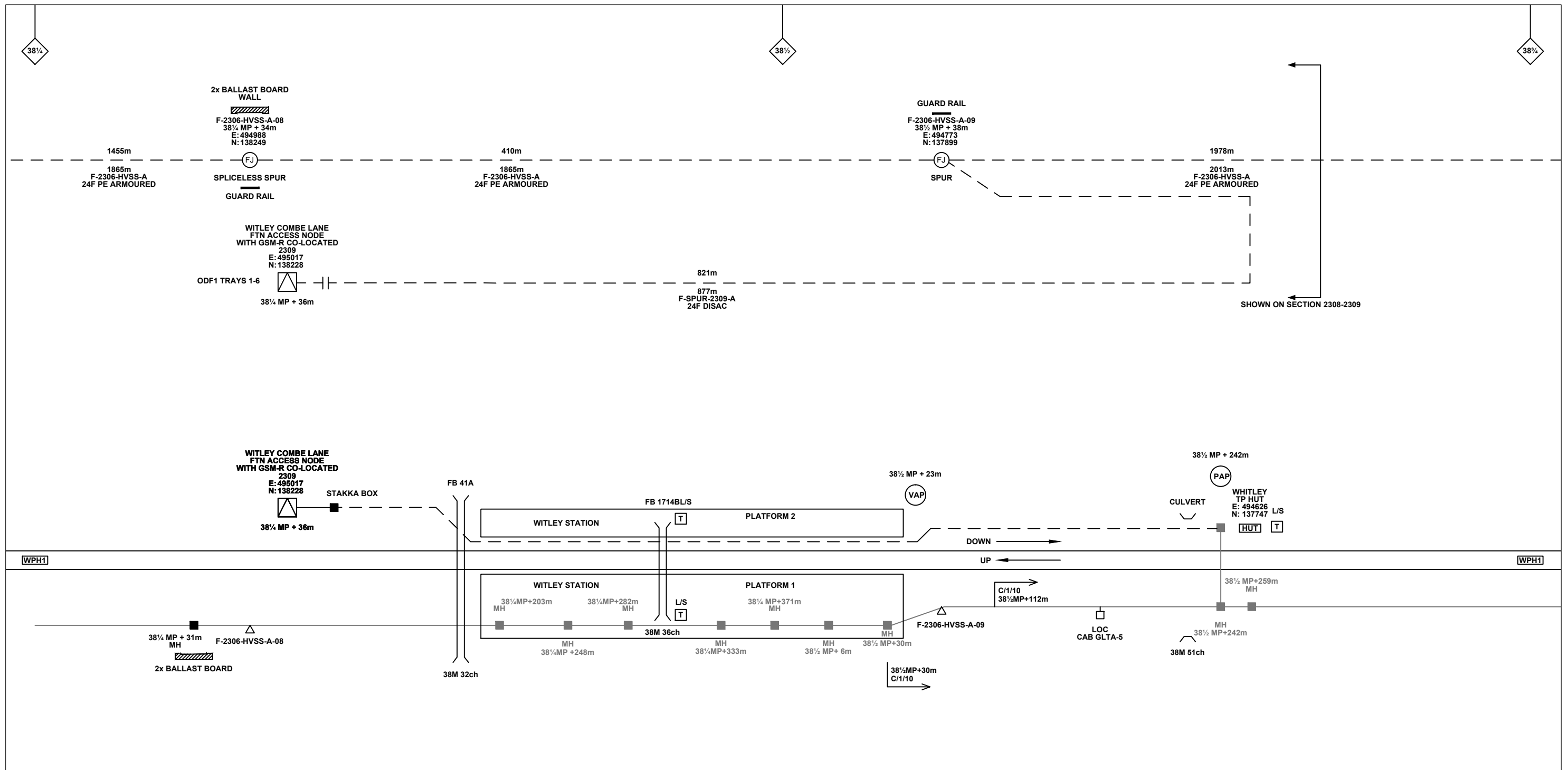
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Checked	Joe Winter	Sign.	[Signature]	Date	11/07/2012
Approved	Chris Tappenden	Sign.	[Signature]	Date	11/07/2012
Project	FTN/GSM-R Project Stage 2 As Built				
Drawing Title	Witley Combe Lane (2309) to Haslemere Cutting (2310)				

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

Alternative Reference: See Layout Tab A3 Sheets 7 and 8

Drawing Number: NTPO\SLD\2309\2310\001

Sheet: 4 of 4  
Revision: D



**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
<b>KEY</b>	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	Gantry	Sewer	Telecoms
Proposed Fibre & Civils Elements are shown in RED		Status - as per Key Below	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Platform	Water	Earth Farm	Buffer Stop
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

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
D	15/08/2012	Stage 2 As Built	JAG	MG	JH
C	11/07/12	Stage 2 Design- First Issue	SH	JW	CT
B	21/04/10	Drawing was Previously NTPOSLD23082309001A. Redrawn For As-Built Purposes	MT	RP	AA

Contractor(s)

Status: **As Built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed		Sign.		Date	
Drawn	Stephen Holder	Sign.		Date	11/07/2012
Checked	Joe Winter	Sign.		Date	11/07/2012
Approved	Chris Tappenden	Sign.		Date	11/07/2012
Project	FTN/GSM-R Project Stage 2 As Built				
Drawing Title	Witley Combe Lane (2309) to Haslemere Cutting (2310)				

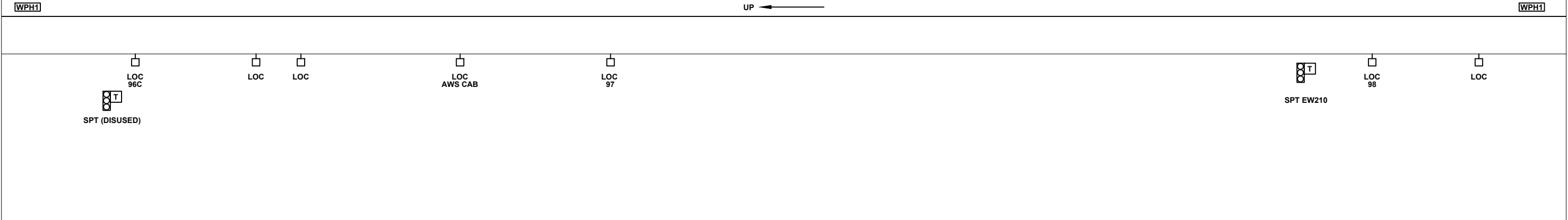
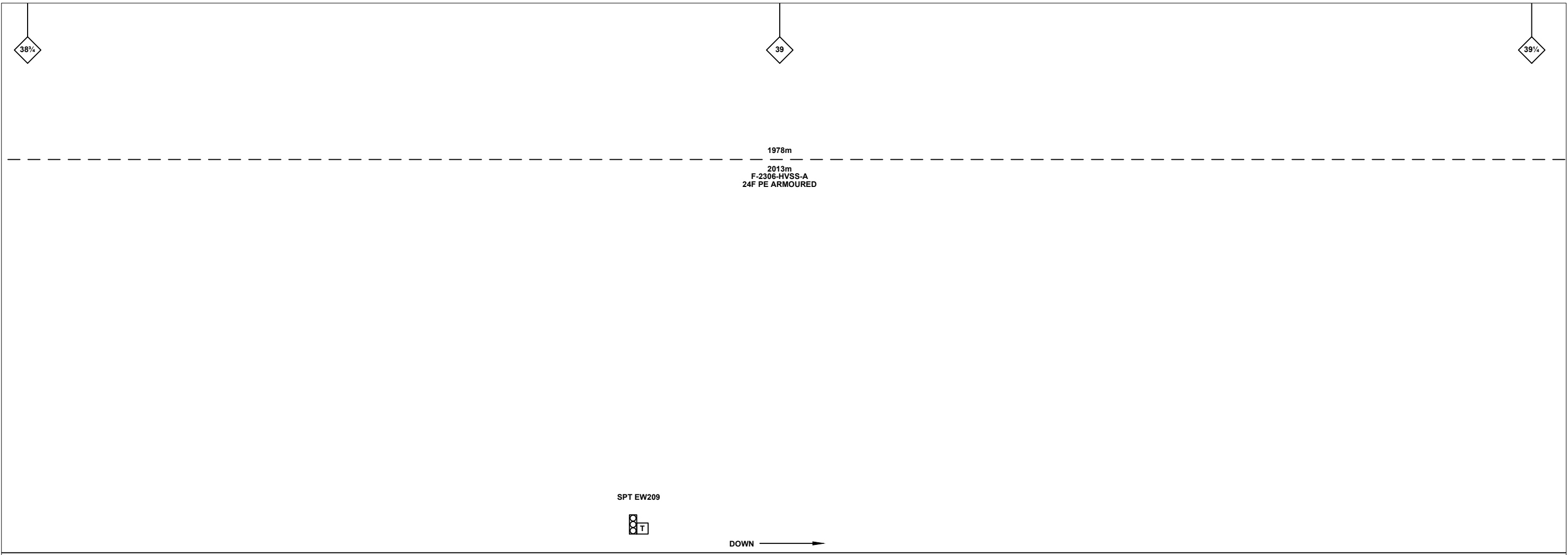
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 1

Drawing Number: NTPO\SLD\2309\2310\001

Sheet: 1 of 8

Revision: D



**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
<b>KEY</b> 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	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
	Existing Fibre Cable	Existing Copper Cable	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Buffer Stop	Water	Cable Pull
	Existing Screen Cable							Telephone	Mast	

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
D	15/08/2012	Stage 2 As Built	JAG	MG	JH
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B	21/04/10	Drawing was Previously NTPOSLD23082309001A. Redrawn For As-Built Purposes	MT	RP	AA

Contractor(s)

Status: **As Built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed		Sign.		Date	
Drawn	Stephen Holder	Sign.		Date	11/07/2012
Checked	Joe Winter	Sign.		Date	11/07/2012
Approved	Chris Tappenden	Sign.		Date	11/07/2012
Project	FTN/GSM-R Project Stage 2 As Built				
Drawing Title	Witley Combe Lane (2309) to Haslemere Cutting (2310)				

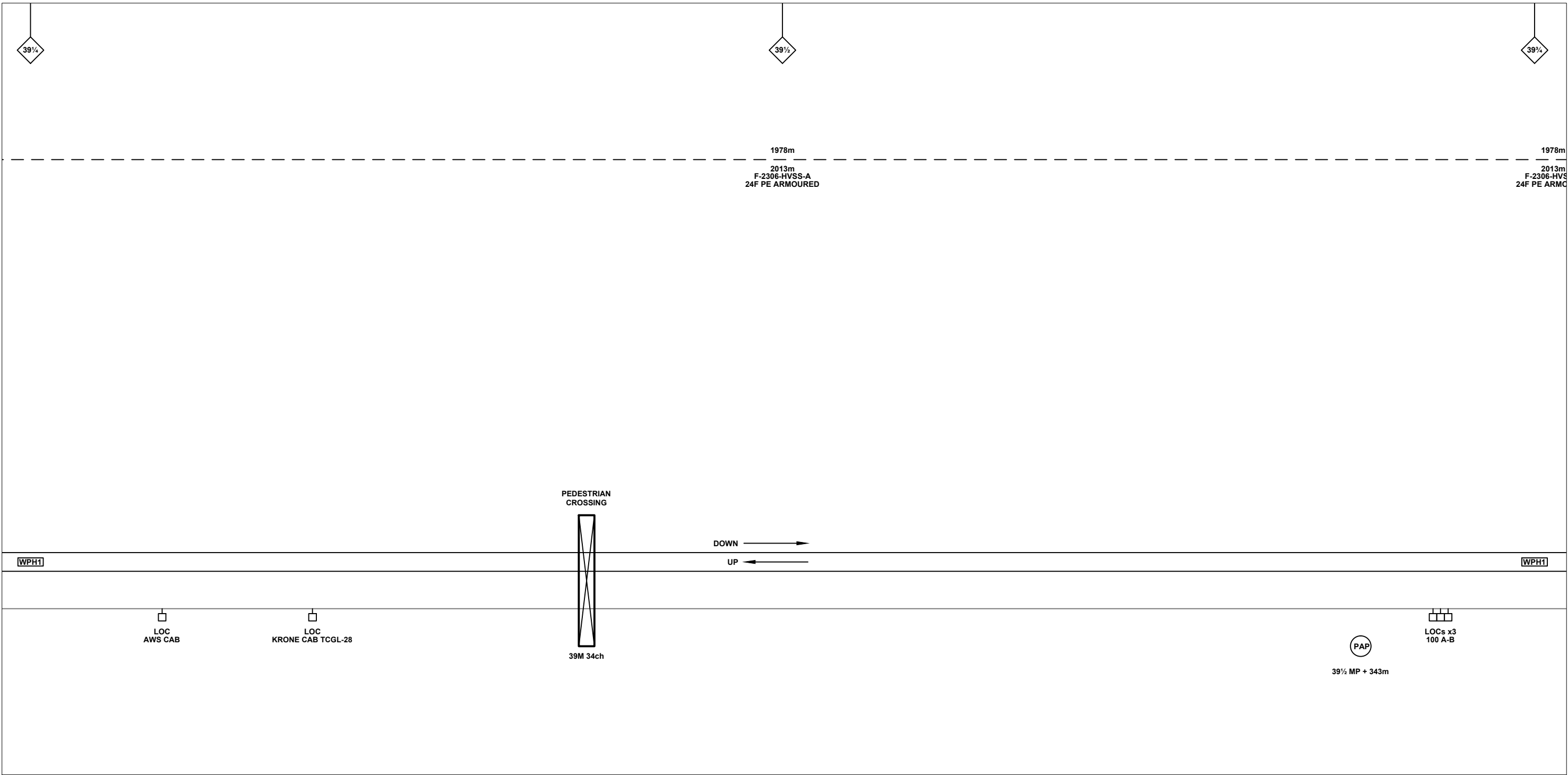
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 1

Drawing Number: NTPO\SLD\2309\2310\001

Sheet: 2 of 8

Revision: D



**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
<b>KEY</b>	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	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	Filled-In use	Earth Farm	Telephone	Water	Mast
Proposed Copper Elements are shown in BLUE		Existing Fibre Cable				Clear-Empty	Buffer Stop			
Proposed Screening Elements are shown in MAGENTA		Existing Copper Cable				Tunnel				
All Recoveries are shown in GREEN		Existing Screen Cable								

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
D	15/08/2012	Stage 2 As Built	JAG	MG	JH
C	11/07/12	Stage 2 Design- First Issue	SH	JW	CT
B	21/04/10	Drawing was Previously NTPOSLD23082309001A. Redrawn For As-Built Purposes	MT	RP	AA

Contractor(s)

Status: **As Built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed		Sign.		Date	
Drawn	Stephen Holder	Sign.		Date	11/07/2012
Checked	Joe Winter	Sign.		Date	11/07/2012
Approved	Chris Tappenden	Sign.		Date	11/07/2012
Project	FTN/GSM-R Project Stage 2 As Built				
Drawing Title	Witley Combe Lane (2309) to Haslemere Cutting (2310)				

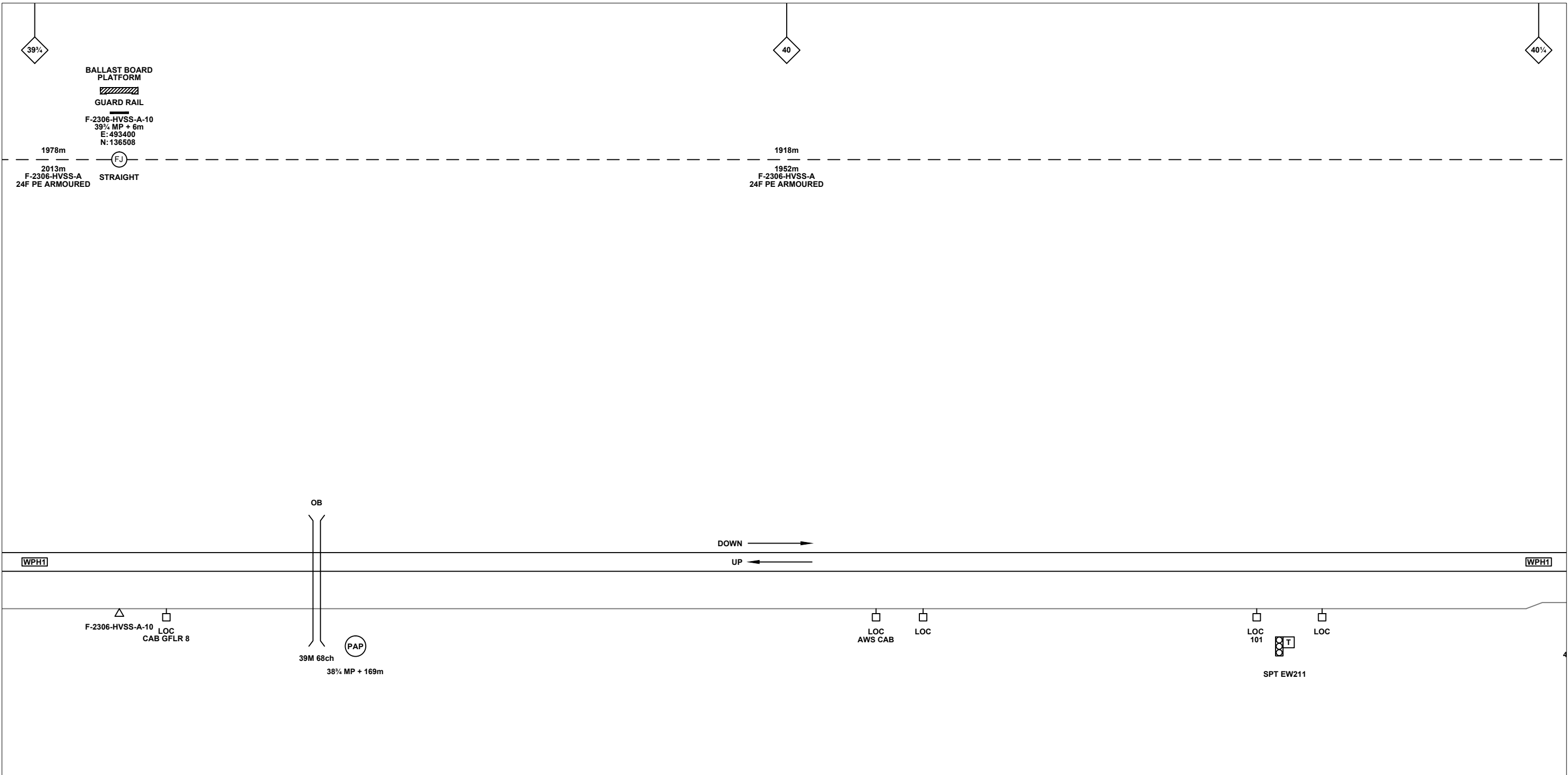
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 2

Drawing Number: NTPO\SLD\2309\2310\001

Sheet: 3 of 8

Revision: D



**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
<b>KEY</b>	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								

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
D	15/08/2012	Stage 2 As Built	JAG	MG	JH
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Contractor(s)

Status: **As Built**

Scale(s): NTS

ELR & Mileage: WPH1

Designated	Sign.	Date
Drawn	Stephen Holder	11/07/2012
Checked	Joe Winter	11/07/2012
Approved	Chris Tappenden	11/07/2012

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

Drawing Title: **Witley Combe Lane (2309) to Haslemere Cutting (2310)**

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

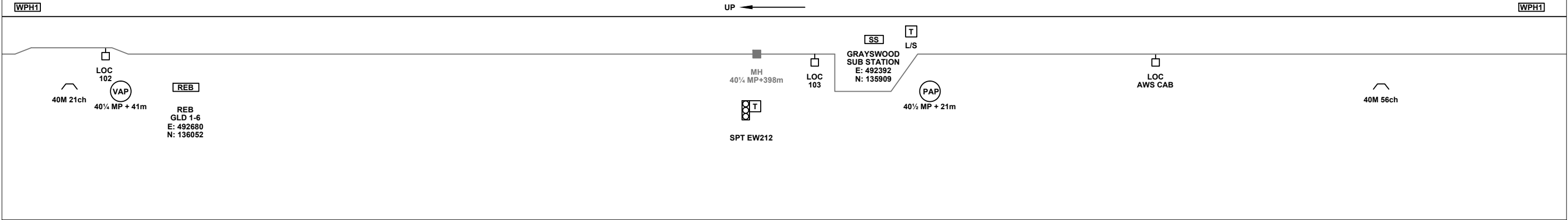
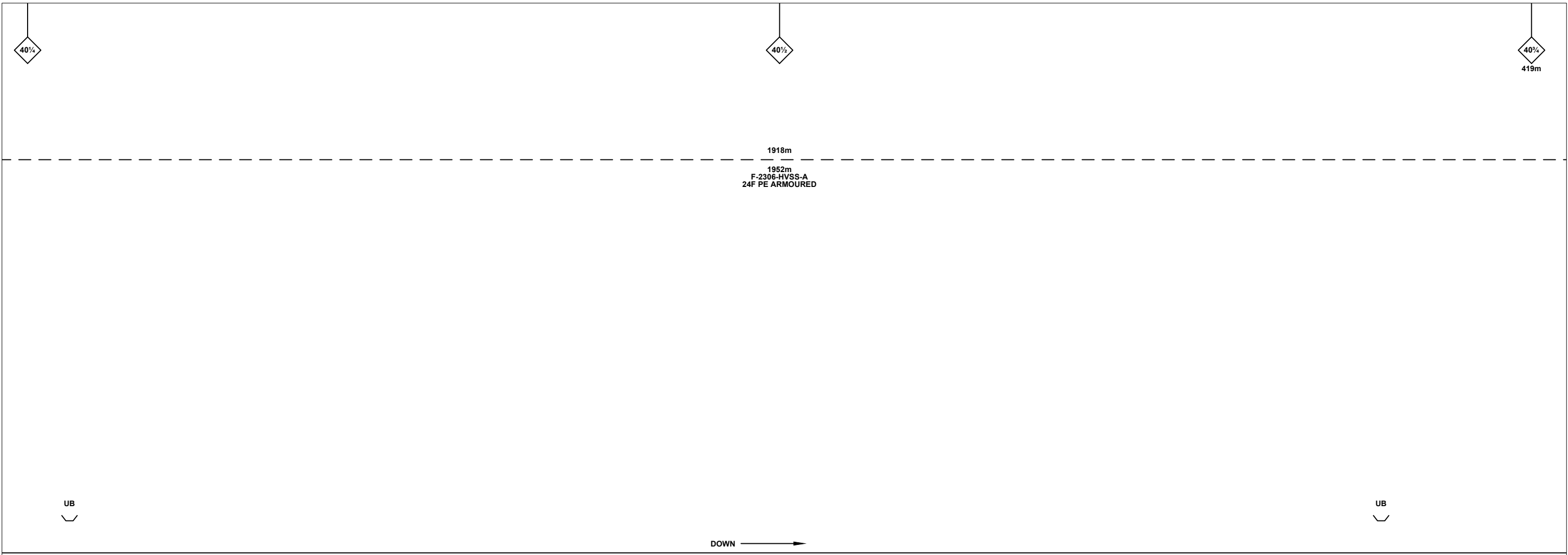
Alternative Reference: See Layout Tab 841 x 297 Sheet 2

Drawing Number: NTPO\SLD\2309\2310\001

Revision: **D**

Sheet: 4 of 8





**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
<b>KEY</b>	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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C	11/07/12	Stage 2 Design- First Issue	SH	JW	CT
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Contractor(s)

Status: **As Built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed		Sign.		Date	
Drawn	Stephen Holder	Sign.		Date	11/07/2012
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Approved	Chris Tappenden	Sign.		Date	11/07/2012
Project	FTN/GSM-R Project Stage 2 As Built				
Drawing Title	Witley Combe Lane (2309) to Haslemere Cutting (2310)				

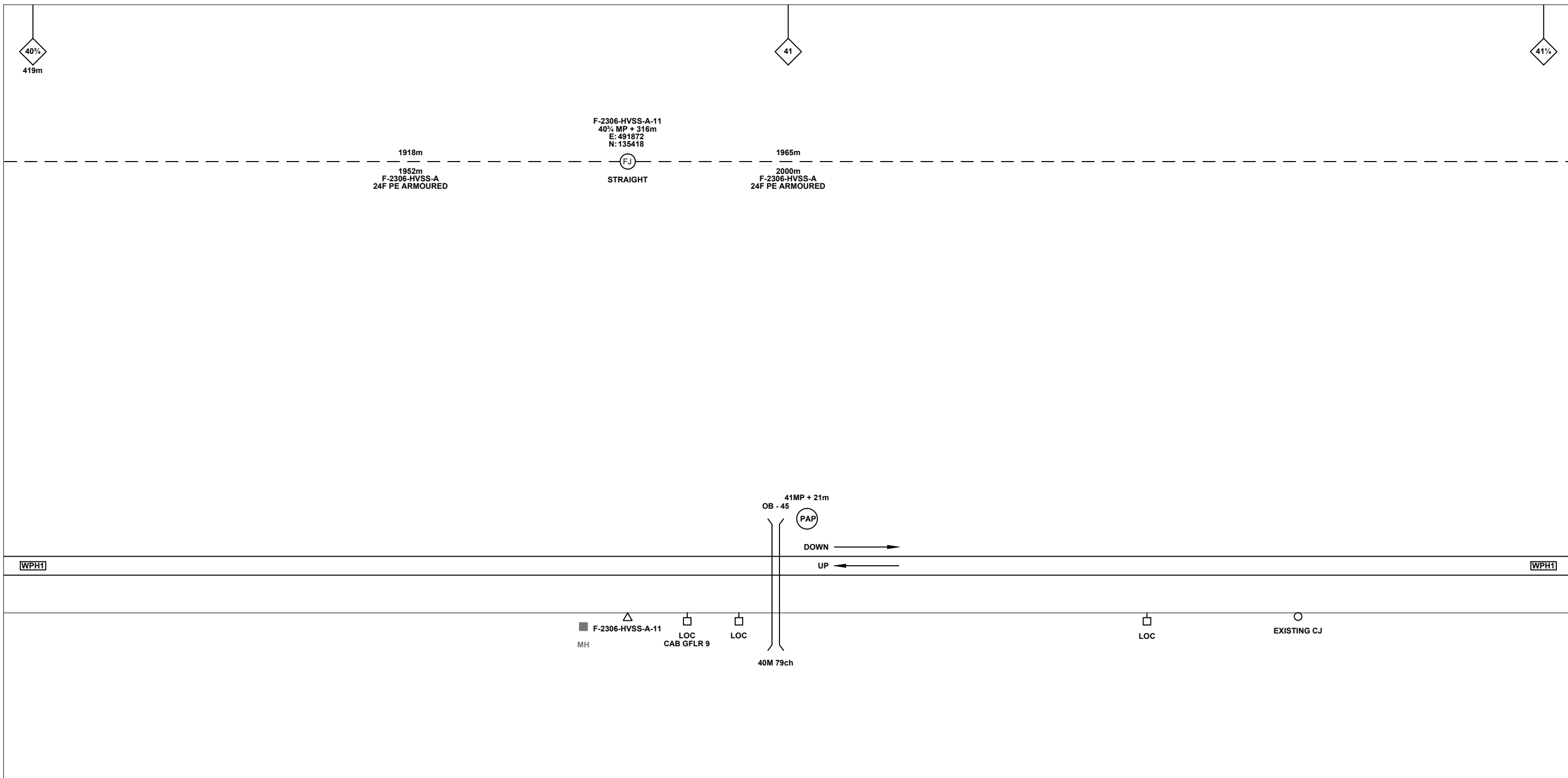
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 3

Drawing Number: NTPO\SLD\2309\2310\001

Sheet: 5 of 8

Revision: D



**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
<b>KEY</b>	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
<b>Proposed Fibre &amp; Civils Elements are shown in RED</b>		<b>All Existing Elements are shown in BLACK</b>	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Buffer Stop	Water	Mast
<b>Proposed Copper Elements are shown in BLUE</b>		Existing Fibre Cable								
<b>Proposed Screening Elements are shown in MAGENTA</b>		Existing Copper Cable								
<b>All Recoveries are shown in GREEN</b>		Existing Screen Cable								

Notes

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Contractor(s)

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Scale(s): NTS

ELR & Mileage: WPH1

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Checked	Joe Winter	Sign.		Date	11/07/2012
Approved	Chris Tappenden	Sign.		Date	11/07/2012
Project	FTN/GSM-R Project Stage 2 As Built				
Drawing Title	Witley Combe Lane (2309) to Haslemere Cutting (2310)				

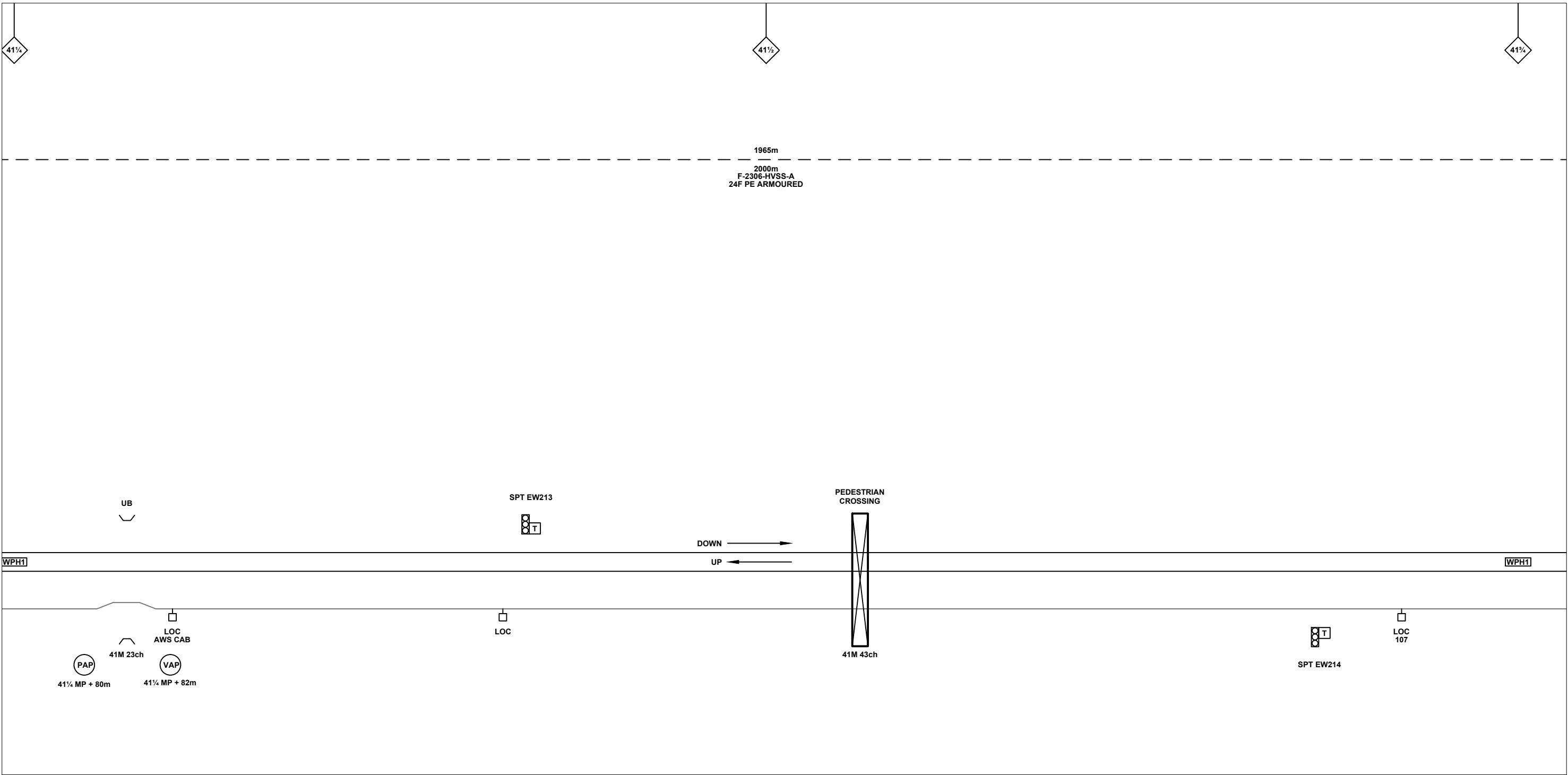
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 3

Drawing Number: NTPO\SLD\2309\2310\001

Sheet: 6 of 8

Revision: D



**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	HV — HV — HV Cable	LV — LV — LV Cable
<b>KEY</b>	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	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	v — v — 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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C	11/07/12	Stage 2 Design- First Issue	SH	JW	CT
B	21/04/10	Drawing was Previously NTPOSLD23082309001A. Redrawn For As-Built Purposes	MT	RP	AA

Contractor(s)

Status: **As Built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed		Sign.		Date	
Drawn	Stephen Holder	Sign.		Date	11/07/2012
Checked	Joe Winter	Sign.		Date	11/07/2012
Approved	Chris Tappenden	Sign.		Date	11/07/2012
Project	FTN/GSM-R Project Stage 2 As Built				
Drawing Title	Witley Combe Lane (2309) to Haslemere Cutting (2310)				

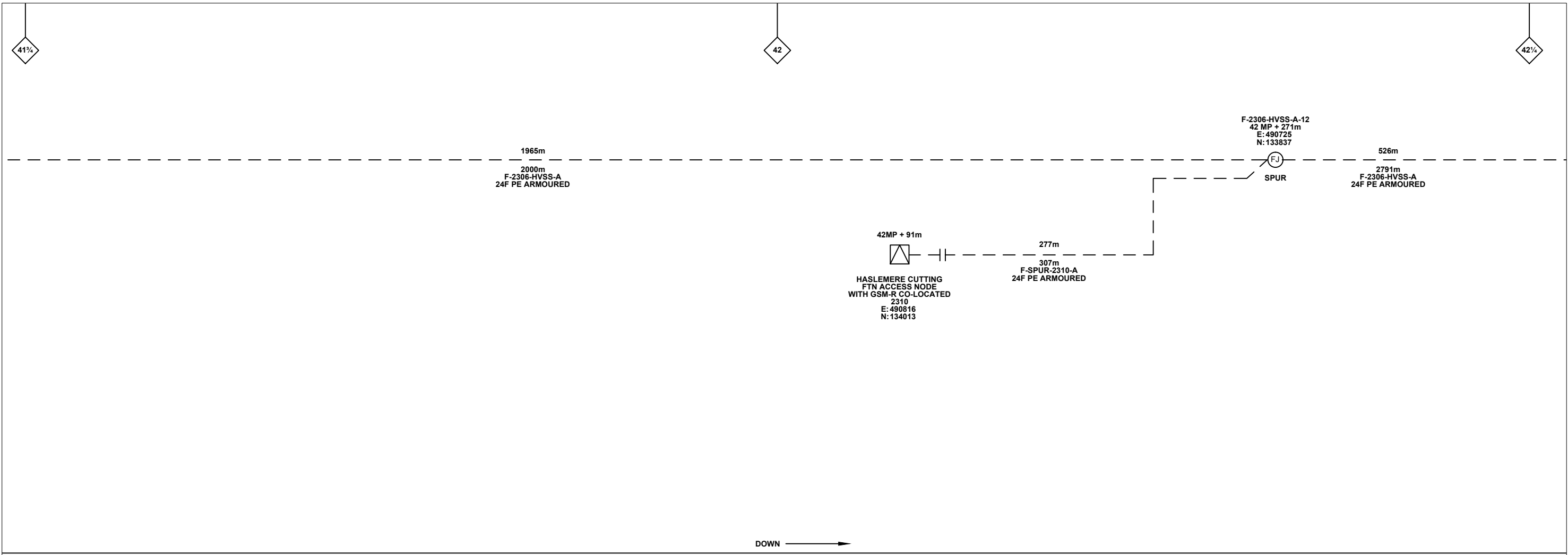
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 4

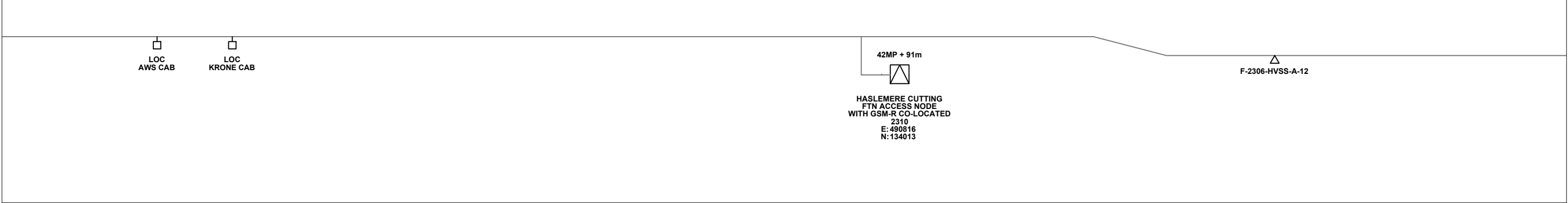
Drawing Number: NTPO\SLD\2309\2310\001

Sheet: 7 of 8

Revision: D



DOWN →  
← UP



**Legend**

Cabinet and Verts	Copper Joint	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	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV — HV — HV Cable
<b>KEY</b>	Screening Conductor Joint with/without Earth	Manhole	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	SEW — SEW — Sewer	LV — LV — LV Cable
Proposed Fibre & Civils Elements are shown in RED		Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	v — v — Water	Cable Pull
Proposed Copper Elements are shown in BLUE	All Existing Elements are shown in BLACK	Sheath Gap Copper						Mast	
Proposed Screening Elements are shown in MAGENTA	— Existing Fibre Cable								
All Recoveries are shown in GREEN	— Existing Copper Cable								
	— Existing Screen Cable								

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
D	15/08/2012	Stage 2 As Built	JAG	MG	JH
C	11/07/12	Stage 2 Design- First Issue	SH	JW	CT
B	21/04/10	Drawing was Previously NTPOSLD23092309001A. Redrawn For As-Built Purposes	MT	RP	AA

Contractor(s)

Status: **As Built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed		Sign.		Date	
Drawn	Stephen Holder	Sign.		Date	11/07/2012
Checked	Joe Winter	Sign.		Date	11/07/2012
Approved	Chris Tappenden	Sign.		Date	11/07/2012
Project	<b>FTN/GSM-R Project Stage 2 As Built</b>				
Drawing Title	<b>Witley Combe Lane (2309) to Haslemere Cutting (2310)</b>				

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

Drawing Number: NTPO\SLD\2309\2310\001

Sheet: 8 of 8

Revision: D