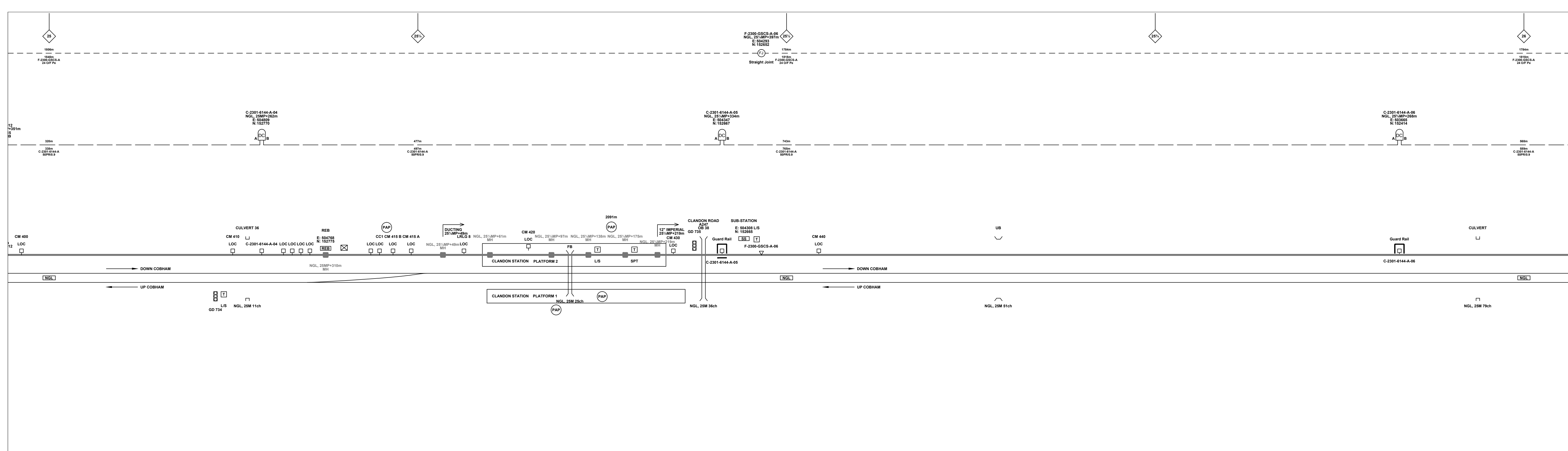
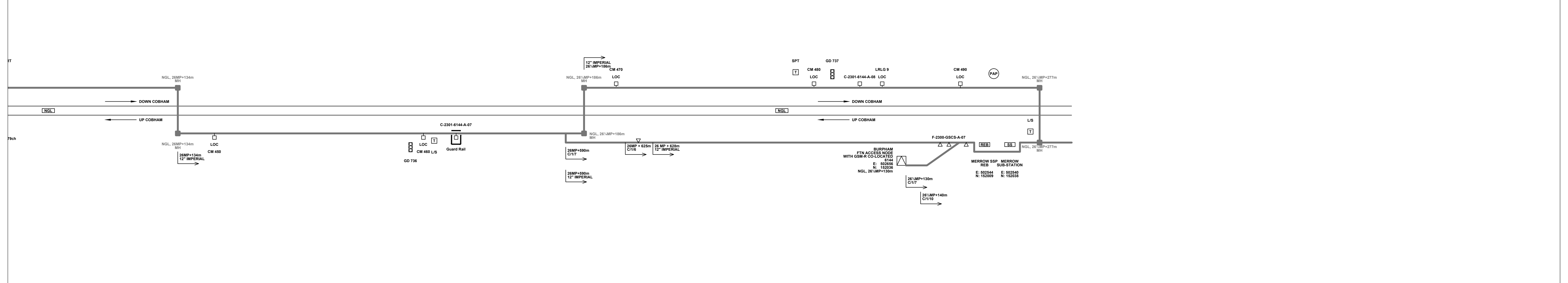
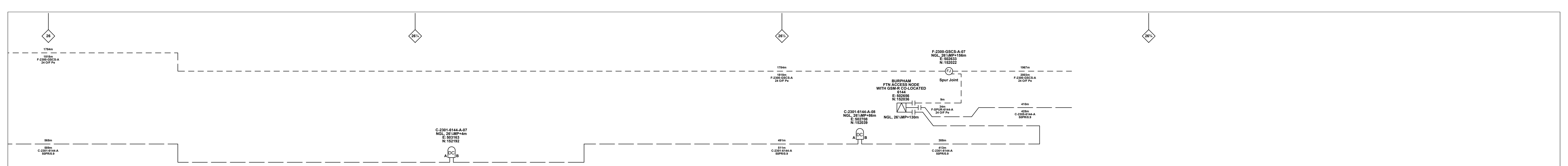


<b>Legend</b> 	<b>Notes</b> Contractor(s)  Status: <b>As-built</b> Scale(s): ELR & Mileage NTS NGL	<table border="1"> <tr><td>Designed</td><td>Michal Taraj</td><td>Sign.</td><td></td><td>Date</td><td>20/07/2012</td></tr> <tr><td>Drawn</td><td>Michal Taraj</td><td>Sign.</td><td></td><td>Date</td><td>20/07/2012</td></tr> <tr><td>Checked</td><td>Rashmi Patel</td><td>Sign.</td><td></td><td>Date</td><td>20/07/2012</td></tr> <tr><td>Approved</td><td>Steve Witt</td><td>Sign.</td><td></td><td>Date</td><td>20/07/2012</td></tr> </table>	Designed	Michal Taraj	Sign.		Date	20/07/2012	Drawn	Michal Taraj	Sign.		Date	20/07/2012	Checked	Rashmi Patel	Sign.		Date	20/07/2012	Approved	Steve Witt	Sign.		Date	20/07/2012	 FTN/GSM-R Project Paddington London W2 1HA Alternative Reference: See Layout Tab A3 Sheets 1 and 2 Drawing Number: NTPO\SLD\2301\6144\001 Sheet: 1 of 3 Revision: B
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<p><b>Legend</b></p> <table border="0" style="width: 100%;"> <tr> <td></td> <td>Cabinet and Verts</td> <td></td> <td>Copper Joint</td> <td></td> <td>Trough Duct Cable Tray</td> <td></td> <td>Signal Box</td> <td></td> <td>FTN Core Node</td> <td></td> <td>Screen Joint Routeworks</td> <td></td> <td>Manhole details: Cross - To be used Filled - In use Clear - Empty</td> </tr> <tr> <td></td> <td>Cabinet with Regenerator and Verts</td> <td></td> <td>Fibre Joint</td> <td></td> <td>Electrical Control Room</td> <td></td> <td>Core Node with GSM-R Colocated</td> <td></td> <td>Copper Joint Routeworks</td> <td></td> <td>Copper Joint Routeworks</td> <td></td> <td>Tunnel</td> </tr> <tr> <td></td> <td>Screening Conductor Joint with/without Earth</td> <td></td> <td>Cable - Type Identified by FTN Code</td> <td></td> <td>Manhole</td> <td></td> <td>FTN Access Node</td> <td></td> <td>Cabinet Routeworks</td> <td></td> <td>Fibre Joint Routeworks</td> <td></td> <td>Overbridge</td> </tr> <tr> <td></td> <td>Status - as per Key Below</td> <td></td> <td>Mid Length Sheath Gap Fibre</td> <td></td> <td>Sheath Gap Copper</td> <td></td> <td>FTN Access Node with GSM-R Colocated</td> <td></td> <td>Engineer's Line Reference</td> <td></td> <td>Signal</td> <td></td> <td>Signal</td> </tr> <tr> <td></td> <td>Existing Fibre Cable</td> <td></td> <td>Existing Copper Cable</td> <td></td> <td>Existing Screen Cable</td> <td></td> <td>Vehicle Access Point</td> <td></td> <td>Mile Post</td> <td></td> <td>Mile Post</td> <td></td> <td>Underbridge</td> </tr> <tr> <td></td> <td>Existing Copper Cable</td> <td></td> <td>Existing Screen Cable</td> <td></td> <td>Platform</td> <td></td> <td>Pedestrian Access Point</td> <td></td> <td>Platform</td> <td></td> <td>Telephone</td> <td></td> <td>Fence</td> </tr> <tr> <td></td> <td>Existing Screen Cable</td> <td></td> <td>Copper Blue Fibre</td> <td></td> <td>Copper Red Fibre</td> <td></td> <td>AC Stanchion</td> <td></td> <td>Crossing</td> <td></td> <td>Crossing</td> <td></td> <td>Gas Line</td> </tr> <tr> <td></td> <td>Existing Screen Cable</td> <td></td> <td>Copper Red Fibre</td> <td></td> <td>Copper Green Fibre</td> <td></td> <td>HV Cable</td> <td></td> <td>LV Cable</td> <td></td> <td>Sewer</td> <td></td> <td>Sewer</td> </tr> <tr> <td></td> <td>Existing Screen Cable</td> <td></td> <td>Copper Green Fibre</td> <td></td> <td>Telecoms</td> <td></td> <td>Water</td> <td></td> <td>Water</td> <td></td> <td>Water</td> <td></td> <td>Water</td> </tr> </table>		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		Cabinet with Regenerator and Verts		Fibre Joint		Electrical Control Room		Core Node with GSM-R Colocated		Copper Joint Routeworks		Copper Joint Routeworks		Tunnel		Screening Conductor Joint with/without Earth		Cable - Type Identified by FTN Code		Manhole		FTN Access Node		Cabinet Routeworks		Fibre Joint Routeworks		Overbridge		Status - as per Key Below		Mid Length Sheath Gap Fibre		Sheath Gap Copper		FTN Access Node with GSM-R Colocated		Engineer's Line Reference		Signal		Signal		Existing Fibre Cable		Existing Copper Cable		Existing Screen Cable		Vehicle Access Point		Mile Post		Mile Post		Underbridge		Existing Copper Cable		Existing Screen Cable		Platform		Pedestrian Access Point		Platform		Telephone		Fence		Existing Screen Cable		Copper Blue Fibre		Copper Red Fibre		AC Stanchion		Crossing		Crossing		Gas Line		Existing Screen Cable		Copper Red Fibre		Copper Green Fibre		HV Cable		LV Cable		Sewer		Sewer		Existing Screen Cable		Copper Green Fibre		Telecoms		Water		Water		Water		Water	<p><b>Notes</b></p> <table border="1" style="width: 100%; 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Date	20/07/2012	Drawn	Michal Taraj	Sign.		Date	20/07/2012	Checked	Rashmi Patel	Sign.		Date	20/07/2012	Approved	Steve Witt	Sign.		Date	20/07/2012
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**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	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Manhole	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV Cable
Screening Conductor Joint with/without Earth	Manhole	Status - as per Key Below	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Manhole	Pedestrian Access Point	Platform	Cable Pull	Sewer	LV Cable
<b>KEY</b>	Existing Fibre Cable	Existing Copper Cable	Existing Screen Cable	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Manhole	Earth Farm	Buffer Stop	Telephone	Telecoms	Water
<b>Proposed Fibre &amp; Civils Elements are shown in RED</b>	<b>All Existing Elements are shown in BLACK</b>						Fence	AC Stanchion			
<b>Proposed Copper Elements are shown in BLUE</b>							Gas				
<b>Proposed Screening Elements are shown in MAGENTA</b>							HV				
<b>All Recoveries are shown in GREEN</b>							LV				
							SEW				
							TEL				
							v				

**Notes**

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	20/07/2012	Converted to As-built	MT	RP	SW
A	13/04/2010	First Issue	AC	JW	CT

**Contractor(s)**

**McNicholas**

**Status**

**As-built**

**Scale(s)**

ELR & Mileage  
NTS NGL

**Designed** Michal Taraj  
**Drawn** Michal Taraj  
**Checked** Rashmi Patel  
**Approved** Steve Witt

**Project** FTN / GSM-R Project  
Guildford to Redhill

**Drawing Title** Horsley Station (2301)  
Burpham (6144)

**Alternative Reference** See Layout Tab A3 Sheets 5 and 6

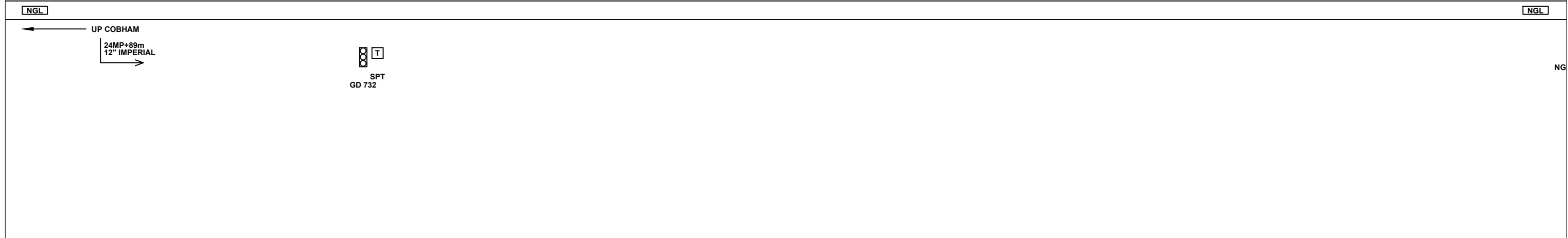
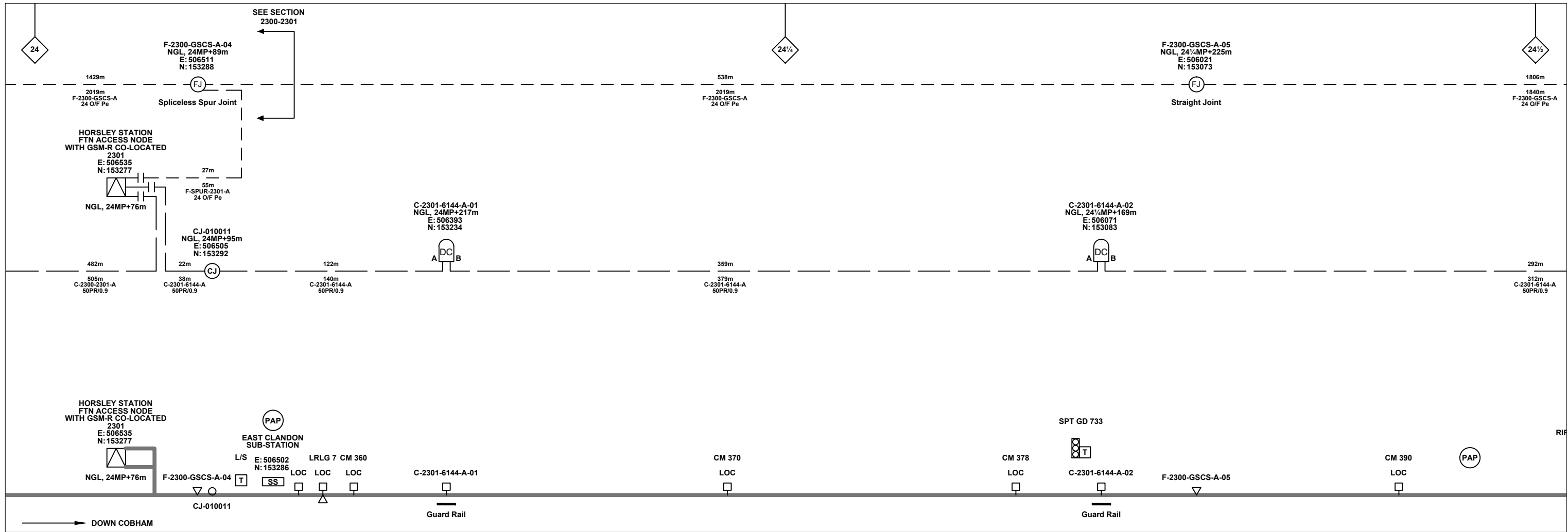
**Sheet** 3 of 3

**Revision** B

**Drawing Number** NTPO\SLD\2301\6144\001

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

**Sheet Size** 841x297



**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	Fence
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	Gas Line
<b>KEY</b>	Screening Conductor Joint with/without Earth	Manhole	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	SEW	LV	Sewer
Proposed Fibre & Civils Elements are shown in RED		Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	Cable Pull	Water	Copper Fibre Red Screen Green	AC Stanchion
Proposed Copper Elements are shown in BLUE											
Proposed Screening Elements are shown in MAGENTA											
All Recoveries are shown in GREEN											

Notes

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

Status: **As-built**

Scale(s): NTS

ELR & Mileage: NGL

Designed	Michal Taraj	Sign.	Date	20/07/2012
Drawn	Michal Taraj	Sign.	Date	20/07/2012
Checked	Rashmi Patel	Sign.	Date	20/07/2012
Approved	Steve Witt	Sign.	Date	20/07/2012
Project: FTN / GSM-R Project Guildford to Redhill				
Drawing Title: Horsley Station (2301) Burpham (6144)				

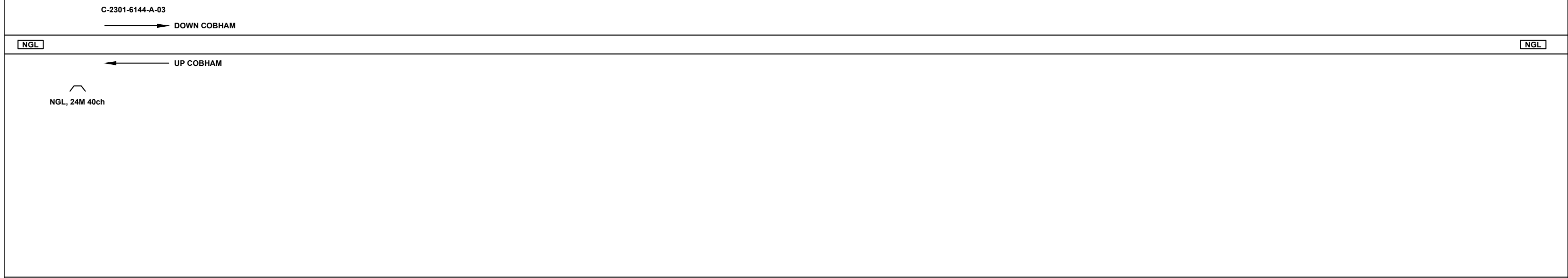
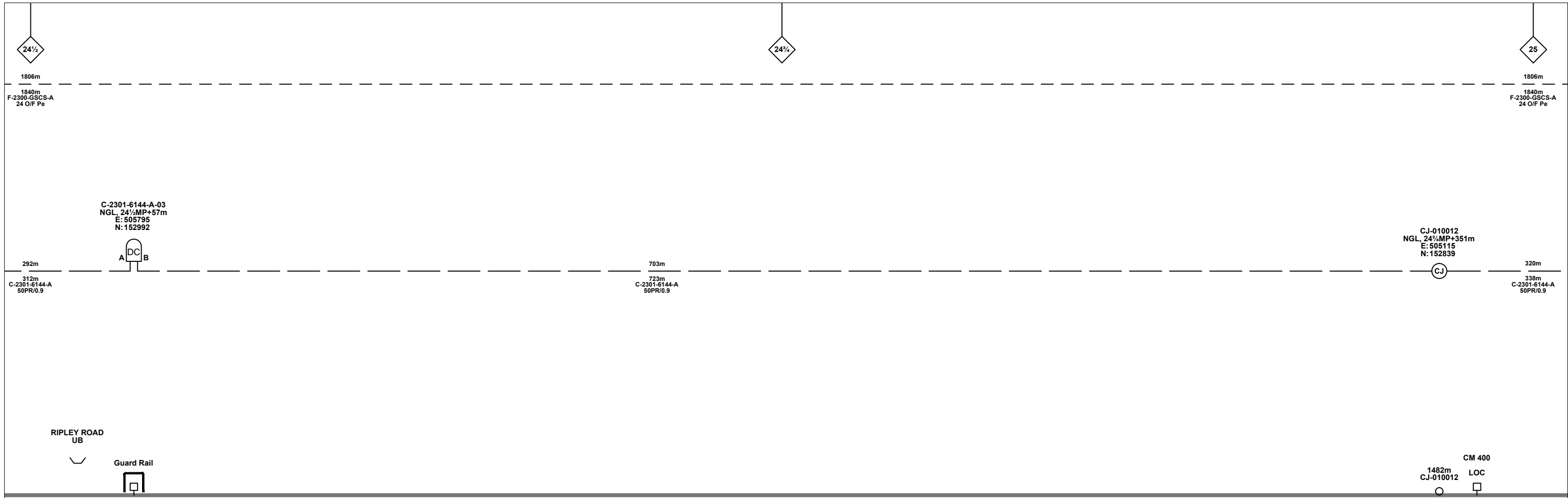
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 1

Drawing Number: NTPO\SLD\2301\6144\001

Sheet: 1 of 6

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	Fence
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	Gas Line
<b>KEY</b>	Screening Conductor Joint with/without Earth	Manhole	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	HV Cable
Proposed Fibre & Civils Elements are shown in RED		Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	Sewer	Water
Proposed Copper Elements are shown in BLUE	All Existing Elements are shown in BLACK							AC Stanchion	
Proposed Screening Elements are shown in MAGENTA	Existing Fibre Cable							Copper Blue Fibre Red Screen Green	
All Recoveries are shown in GREEN	Existing Copper Cable								
	Existing Screen Cable								

Notes

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Contractor(s)

Status: **As-built**

Scale(s): NTS

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Drawing Title	Horsley Station (2301) Burpham (6144)			

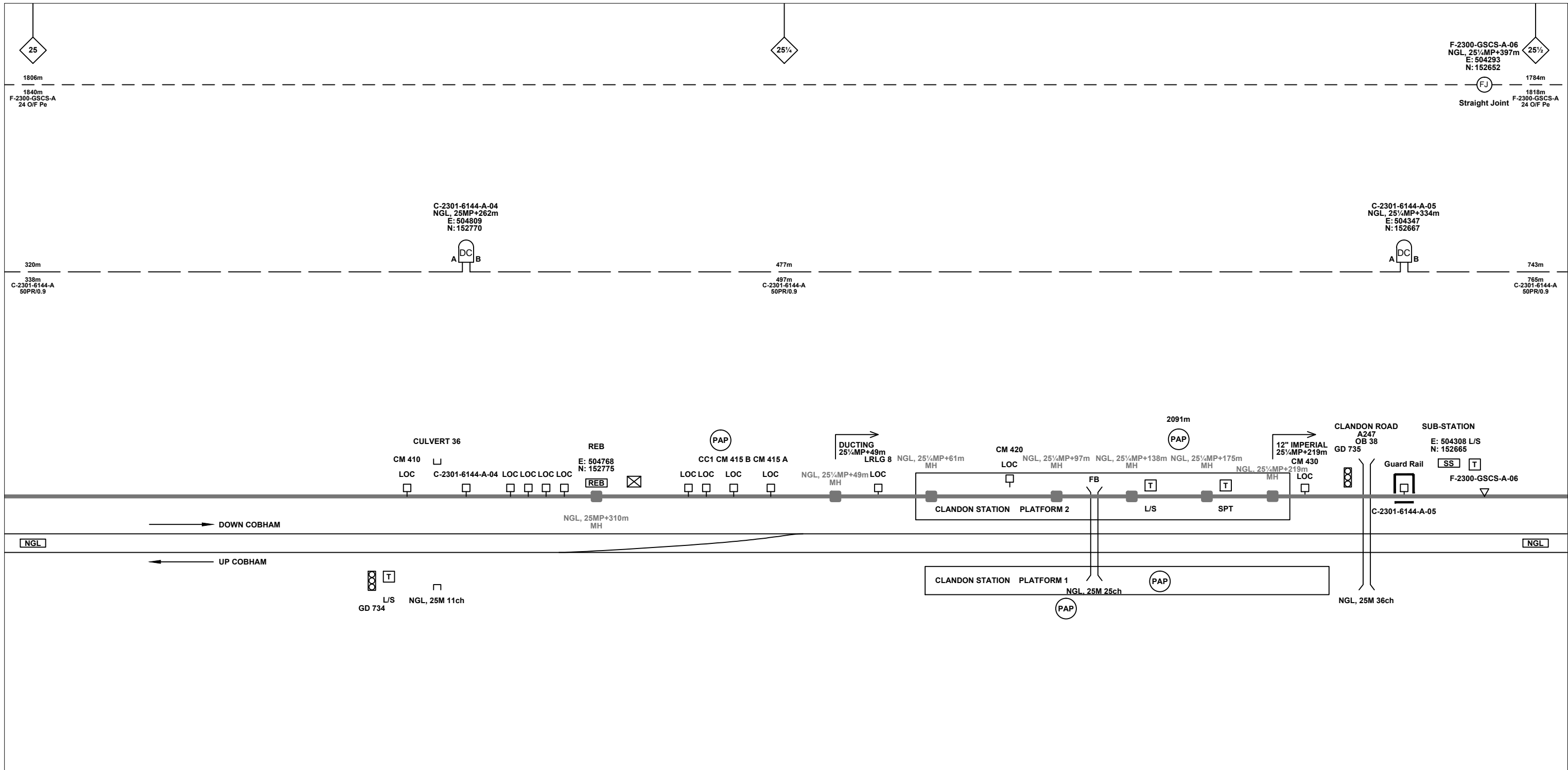
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Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 1

Drawing Number: NTPO\SLD\2301\6144\001

Sheet: 2 of 6

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	Fence
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	Gas Line
<b>KEY</b>	Screening Conductor Joint with/without Earth	Manhole	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	HV Cable
Proposed Fibre & Civils Elements are shown in RED		Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	Sewer	LV Cable
Proposed Copper Elements are shown in BLUE	All Existing Elements are shown in BLACK							Water	AC Stanchion
Proposed Screening Elements are shown in MAGENTA	Existing Fibre Cable							Crossing	Sewer
All Recoveries are shown in GREEN	Existing Copper Cable							Gantry	Telecoms
	Existing Screen Cable							Cable Pull	Water

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	20/07/2012	Converted to As-built	MT	RP	SW
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Contractor(s)

Status: **As-built**

Scale(s): NTS

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Drawing Title	Horsley Station (2301) Burpham (6144)				

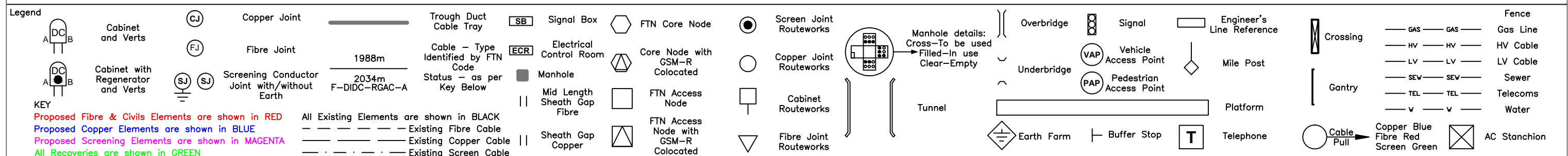
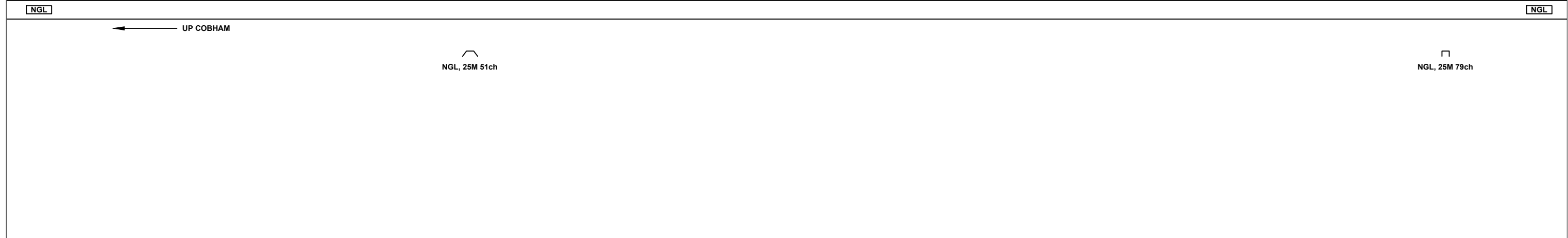
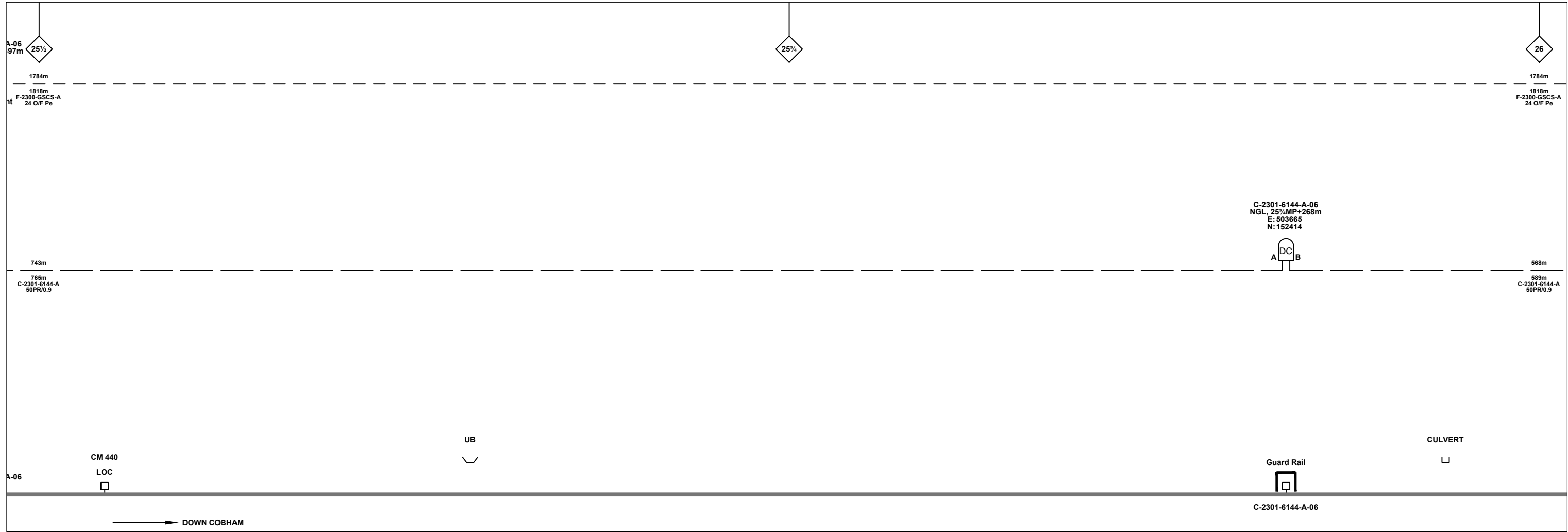
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 2

Drawing Number: NTPO\SLD\2301\6144\001

Sheet: 3 of 6

Revision: B



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

Status: **As-built**

Scale(s): NTS

ELR & Mileage: NGL

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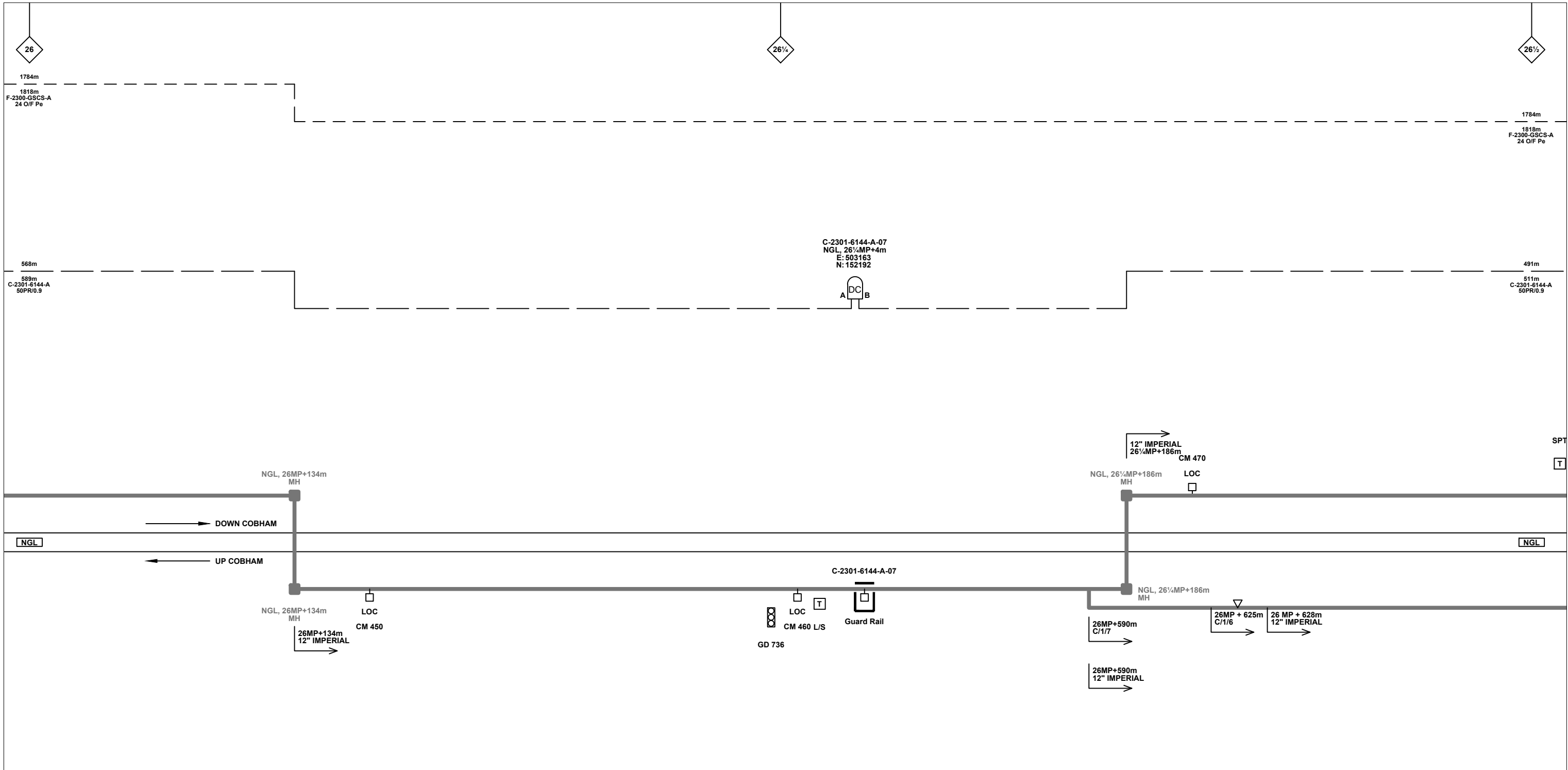
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 2

Sheet: 4 of 6

Drawing Number: NTPO\SLD\2301\6144\001

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	Fence
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	Gas Line
<b>KEY</b>	Screening Conductor Joint with/without Earth	Manhole	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	HV Cable
Proposed Fibre & Civils Elements are shown in RED				FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks			Gantry	LV Cable
Proposed Copper Elements are shown in BLUE								Cable Pull	Sewer
Proposed Screening Elements are shown in MAGENTA									Telecoms
All Recoveries are shown in GREEN									Water
									AC Stanchion

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

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
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FTN/GSM-R Project  
 Tournament House  
 Paddington  
 London  
 W2 1HA

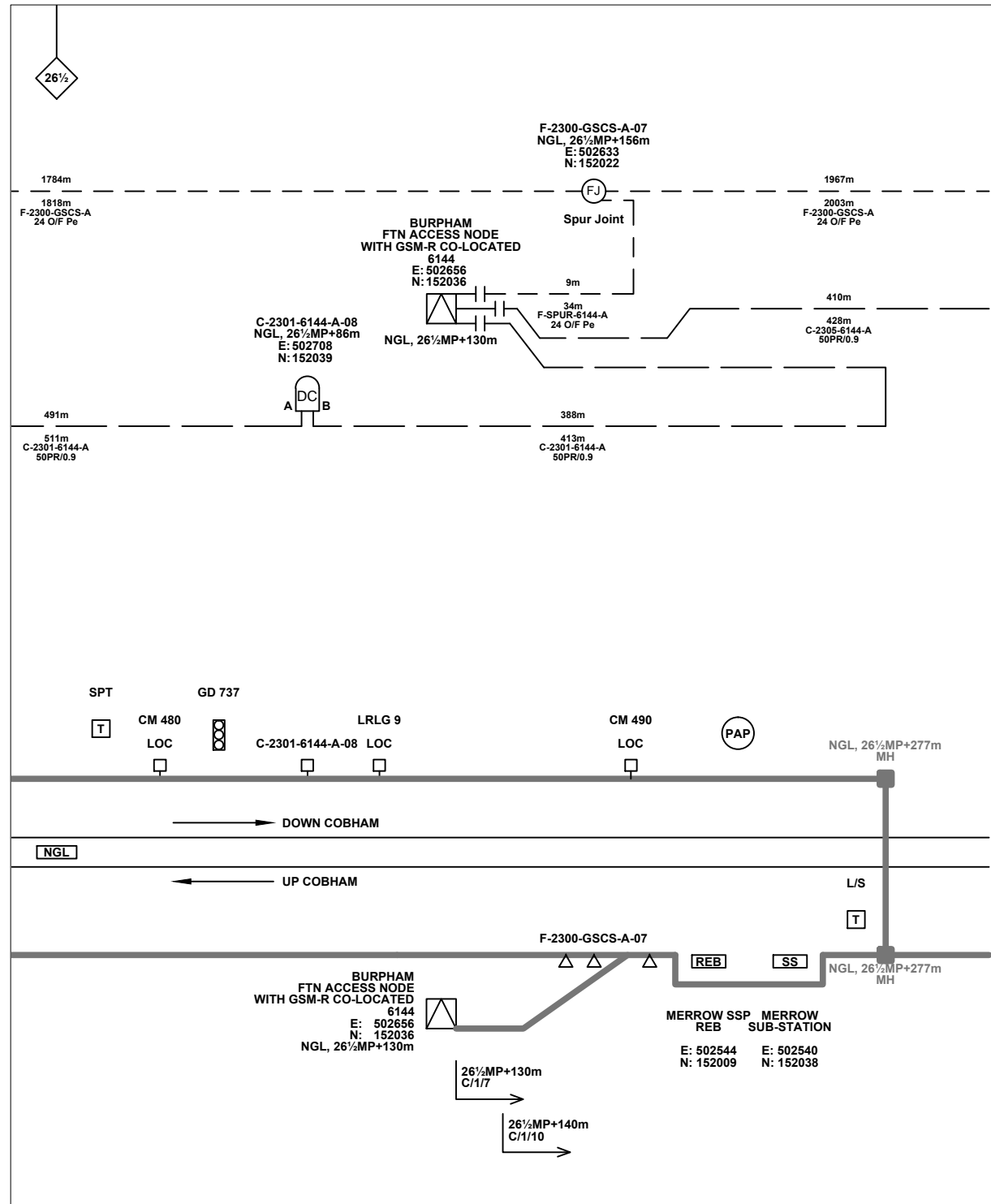
Alternative Reference: See Layout Tab 841 x 297 Sheet 3

Sheet: 5 of 6

Drawing Number: NTPO\SLD\2301\6144\001

Revision: B





Notes

Contractor(s)			
Status	As-built		
Scale(s)	NTS	ELR & Mileage	NGL
Rev	Date	Description of Revisions	Drawn Chkd Appr
B	20/07/2012	Converted to As-built	MT RP SW
A	13/04/2010	First Issue	AC JW CT

McNicholas

Designed	Michal Taraj	Sign.	Date	20/07/2012
Drawn	Michal Taraj	Sign.	Date	20/07/2012
Checked	Rashmi Patel	Sign.	Date	20/07/2012
Approved	Steve Witt	Sign.	Date	20/07/2012
Project	FTN / GSM-R Project Guildford to Redhill			
Drawing Title	Horsley Station (2301) Burpham (6144)			

Network Rail

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

Alternative Reference	See Layout Tab 841 x 297 Sheet 3	Sheet	6 of 6
Drawing Number	NTPO\SLD\2301\6144\001	Revision	B