

**Legend**


**Notes**

C	20/06/2013	Re-Drawn by NWR to Include all Stage 2 Construction As-Built	PT	PB	GH
B	14/05/2013	Converted to As-built	MT	RP	SW
A	06/04/2011	Redrafted from NTPOSLDHWJNWNJN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg	DA	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

**McNicholas**

Contractor(s)

**As-built**

ELR & Millage: RDG1, HOU & HJW

Designed	Michal Taraj	Sign.	Date	14/05/2013
Drawn	Michal Taraj	Sign.	Date	14/05/2013
Checked	Rashmi Patel	Sign.	Date	14/05/2013
Approved	Steve Witt	Sign.	Date	14/05/2013
Project	FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2			
Drawing Title	Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)			

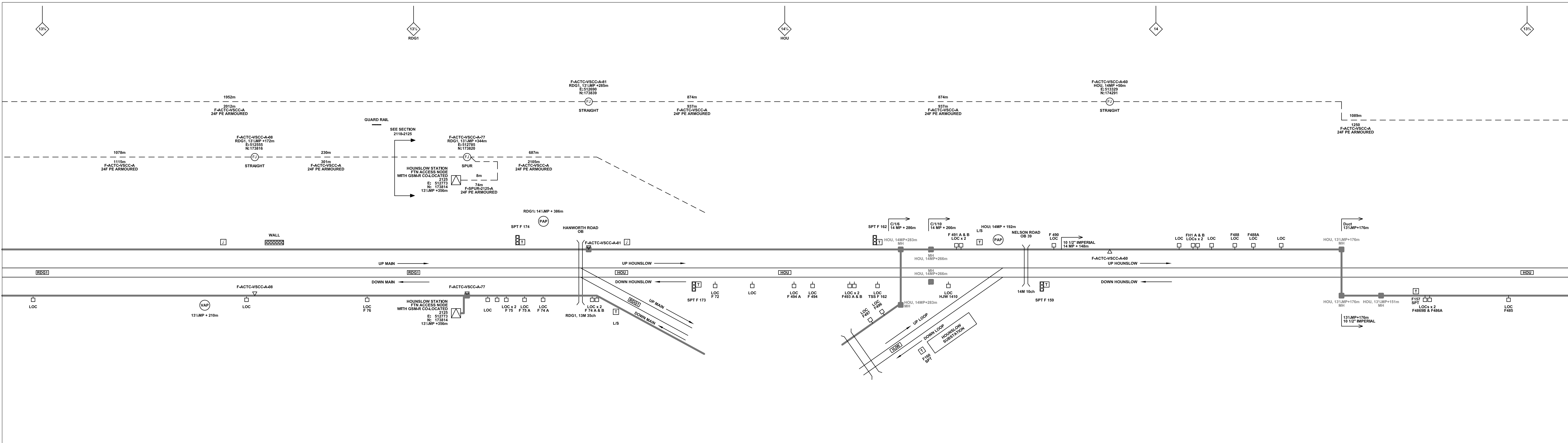
**Network Rail**

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

Alternative Reference: See Layout Tab A3 Sheets 1 and 2

Drawing Number: NTPOSLD/2125/2127/001

Sheet 1 of 5  
Revision C



**Legend**

<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	All Existing Elements are shown in BLACK	Cable - Type Identified by FTN Code	Status - as per Key Below	Manhole	Mid Length Sheath Gap Fibre	Sheath Gap Copper	FTN Access Node	FTN Access Node with GSM-R Colocated	Tunnel	Earth Farm	Buffer Stop	Telephone	Gas Line	HV Cable	LV Cable	Sewer	Telecoms	Water	Copper Pull	Copper Blue Fibre Red Screen Green	Mast					

**Notes**

C	20/06/2013	Re-Drawn by NWR to Include all Stage 2 Construction As-Built	PT	PB	GH
B	14/05/2013	Converted to As-built	MT	RP	SW
A	06/04/2011	Redrafted from NTPOSLDHWJNWNJ001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg	DA	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

**McNicholas**

**As-built**

ELR & MIBage  
RDG1, HOU & HJW

Designed	Michal Taraj	Sign.	Date	14/05/2013
Drawn	Michal Taraj	Sign.	Date	14/05/2013
Checked	Rashmi Patel	Sign.	Date	14/05/2013
Approved	Steve Witt	Sign.	Date	14/05/2013
Project	FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2			
Drawing Title	Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)			

**Network Rail**

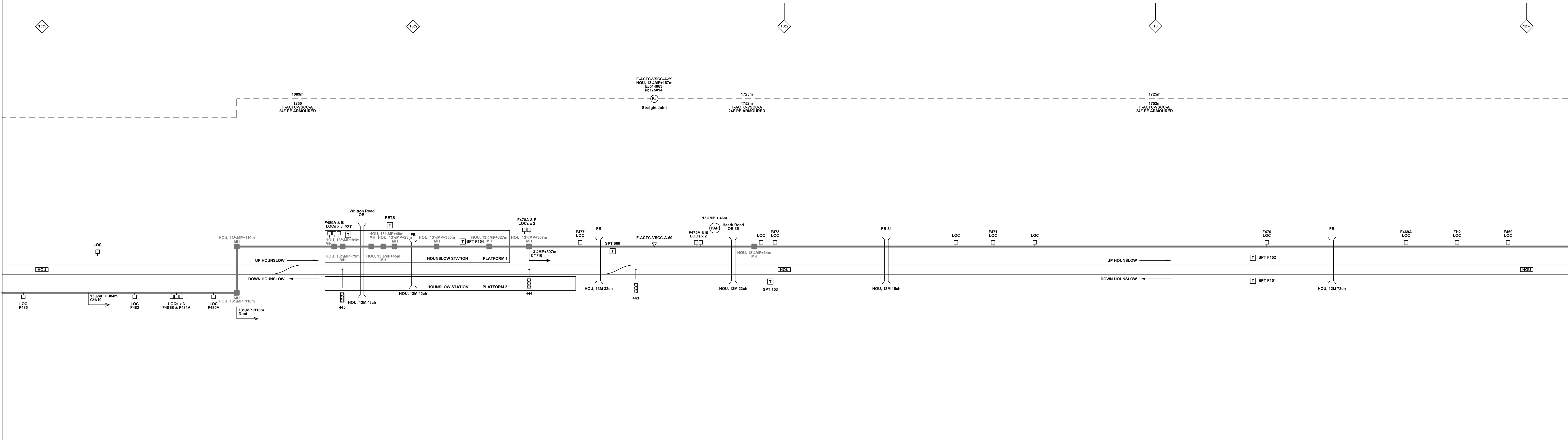
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference  
See Layout Tab A3 Sheets 3 and 4

Drawing Number  
NTPOSLD/2125/2127/001

Sheet  
2 of 5

Revision  
C



**Legend**

<b>KEY</b>											
<b>Proposed Fibre &amp; Civils Elements are shown in RED</b>											
<b>Proposed Copper Elements are shown in BLUE</b>											
<b>Proposed Screening Elements are shown in MAGENTA</b>											
<b>All Recoveries are shown in GREEN</b>											

**Notes**

C	20/06/2013	Re-Drawn by NWR to Include all Stage 2 Construction As-Built	PT	PB	GH
B	14/05/2013	Converted to As-built	MT	RP	SW
A	06/04/2011	Redrafted from NTPOSLDHWJNWNUN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg	DA	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

**McNicholas**

**As-built**

ELR & MIBage  
RDG1, HOU & HJW

Designed	Michal Taraj	Sign.	Date	14/05/2013
Drawn	Michal Taraj	Sign.	Date	14/05/2013
Checked	Rashmi Patel	Sign.	Date	14/05/2013
Approved	Steve Witt	Sign.	Date	14/05/2013
Project	FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2			
Drawing Title	Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)			

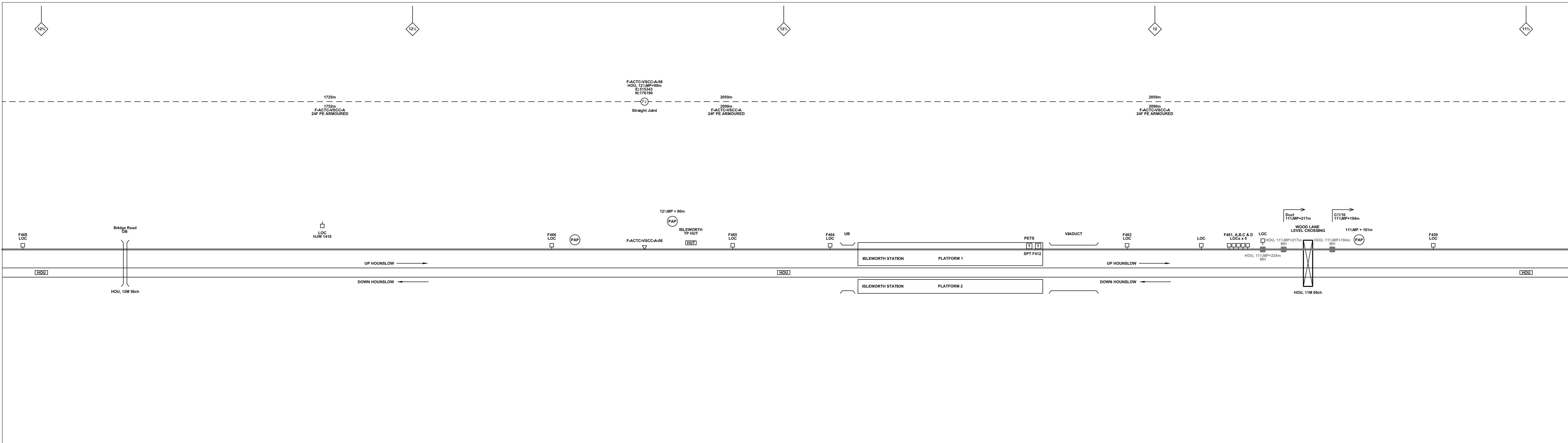
**Network Rail**

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

Alternative Reference: See Layout Tab A3 Sheets 5 and 6

Drawing Number: NTPO\SLD\2125\2127\001

Sheet 3 of 5  
Revision C



**Legend**

<b>KEY</b>											
<b>Proposed Fibre &amp; Civils Elements are shown in RED</b>											
<b>Proposed Copper Elements are shown in BLUE</b>											
<b>Proposed Screening Elements are shown in MAGENTA</b>											
<b>All Recoveries are shown in GREEN</b>											

**Notes**

C	20/06/2013	Re-Drawn by NWR to Include all Stage 2 Construction As-Built	PT	PB	GH
B	14/05/2013	Converted to As-built	MT	RP	SW
A	06/04/2011	Redrafted from NTPOSLDHWJNWNUN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg	DA	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

**McNicholas**

**As-built**

ELR & MImage  
RDG1, HOU & HJW

Designed	Michal Taraj	Sign.	Date	14/05/2013
Drawn	Michal Taraj	Sign.	Date	14/05/2013
Checked	Rashmi Patel	Sign.	Date	14/05/2013
Approved	Steve Witt	Sign.	Date	14/05/2013
Project	FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2			
Drawing Title	Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)			

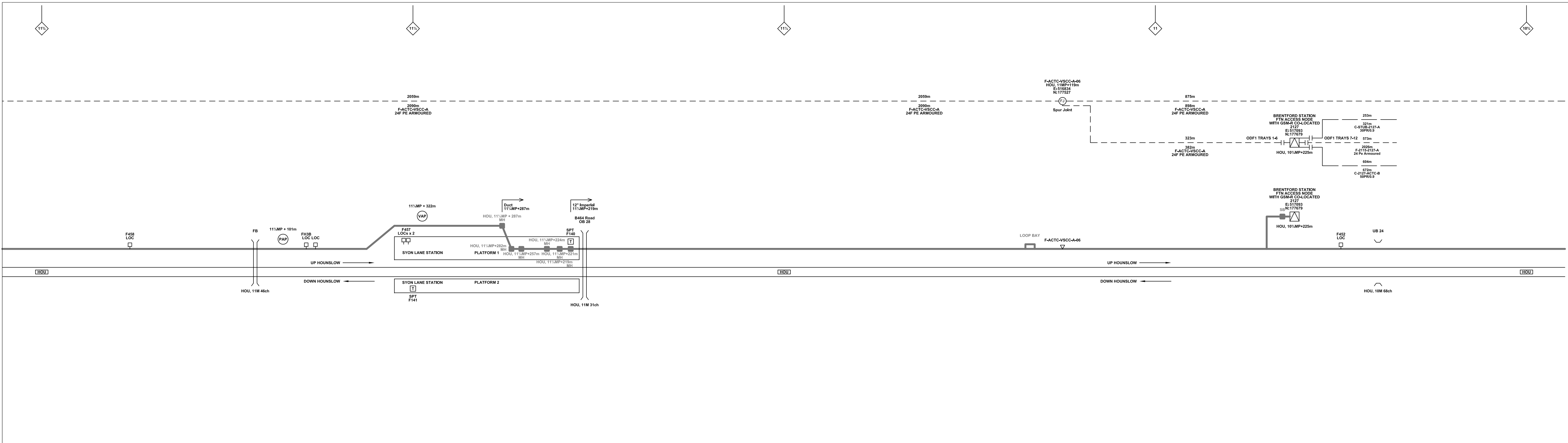
**Network Rail**

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

Alternative Reference: See Layout Tab A3 Sheets 7 and 8

Drawing Number: NTPO/SLD/2125/2127/001

Sheet 4 of 5  
Revision C



**Legend**

<b>KEY</b>		<b>All Existing Elements are shown in BLACK</b>									
<b>Proposed Fibre &amp; Civils Elements are shown in RED</b>											
<b>Proposed Copper Elements are shown in BLUE</b>											
<b>Proposed Screening Elements are shown in MAGENTA</b>											
<b>All Recoveries are shown in GREEN</b>											

**Notes**

C	20/06/2013	Re-Drawn by NWR to Include all Stage 2 Construction As-Built	PT	PB	GH
B	14/05/2013	Converted to As-built	MT	RP	SW
A	06/04/2011	Redrafted from NTPOSLDHWJNWNUN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg	DA	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

**McNicholas**

**As-built**

ELR & Mileage  
RDG1, HOU & HJW

Designed	Michal Taraj	Sign.	Date	14/05/2013
Drawn	Michal Taraj	Sign.	Date	14/05/2013
Checked	Rashmi Patel	Sign.	Date	14/05/2013
Approved	Steve Witt	Sign.	Date	14/05/2013
Project	FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2			
Drawing Title	Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)			

**Network Rail**

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

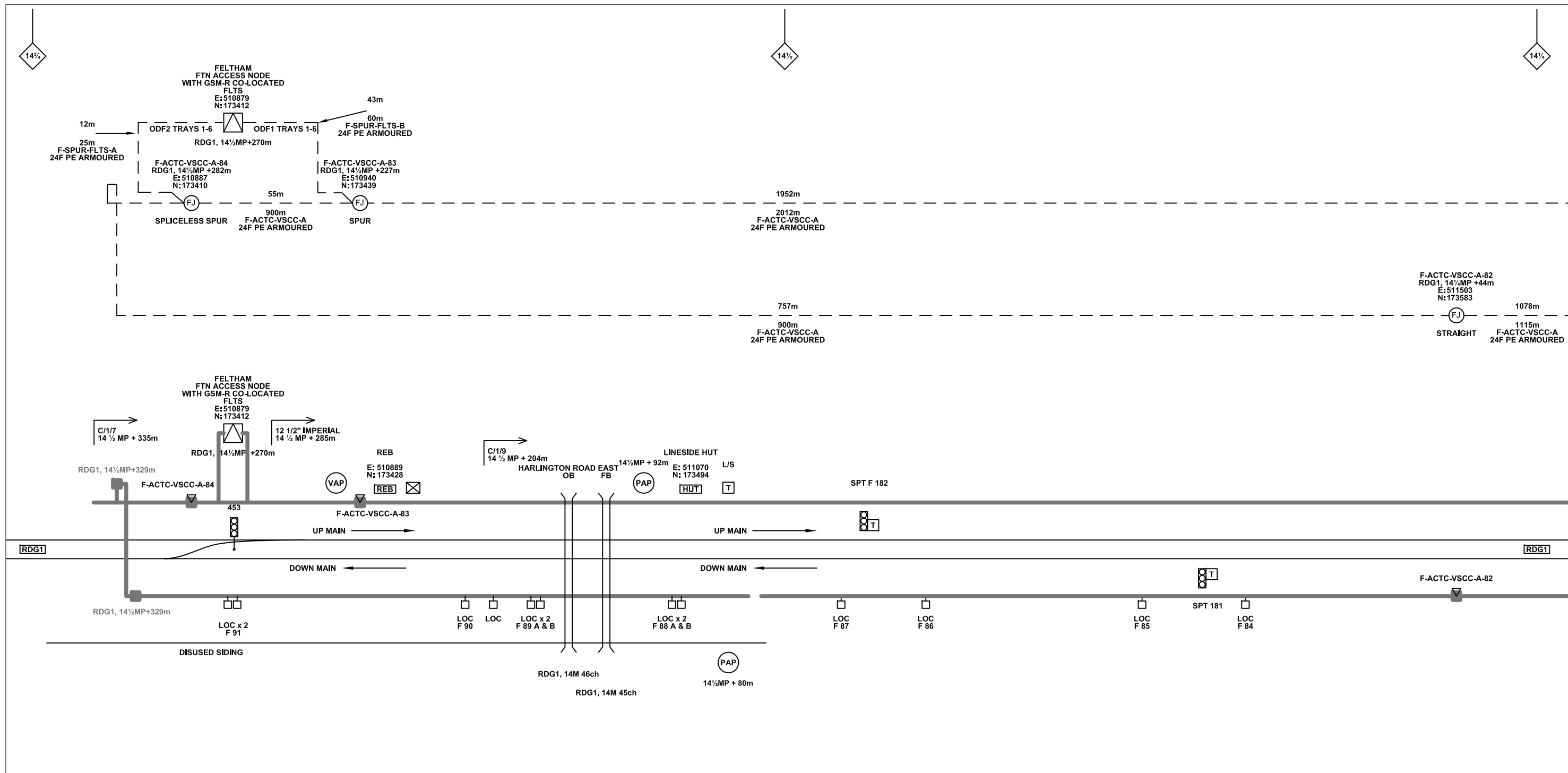
Alternative Reference  
See Layout Tab A3 Sheets 9 and 10

Drawing Number  
NTPO/SLD/2125/2127/001

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 Line
	Cabinet with Regenerator and Verts		Fibre Joint		Electrical Control Room		Core Node with GSM-R Colocated		Core Node with GSM-R Colocated		Copper Joint Routeworks		Underbridge		Vehicle Access Point		Mile Post		Gantry		HV Cable
<b>KEY</b>			Screening Conductor Joint with/without Earth		Manhole		FTN Access Node		FTN Access Node with GSM-R Colocated		Cabinet Routeworks		Platform		Pedestrian Access Point		Telephone		Water		LV Cable
					Mid Length Sheath Gap Fibre		Existing Fibre Cable		Existing Fibre Cable		Existing Fibre Cable		Earth Farm		Buffer Stop		Cable Pull		Mast		Sewer
					Sheath Gap Copper		Existing Copper Cable		Existing Copper Cable		Existing Fibre Cable		Tunnel								Sewer
							Existing Screen Cable														Sewer

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

Notes

C	20/06/2013	Re-Drawn by NWR to Include all Stage 2 Construction As-Built	PT	PB	GH
B	14/05/2013	Converted to As-built	MT	RP	SW
A	06/04/2011	Redrafted from NTPOSLDHWJNWNJN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg	DA	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

Status: **As-built**

Scale(s): NTS

ELR & Mileage: RDG1, HOU & HJW

Designed	Michal Taraj	Sign.	Date	14/05/2013
Drawn	Michal Taraj	Sign.	Date	14/05/2013
Checked	Rashmi Patel	Sign.	Date	14/05/2013
Approved	Steve Witt	Sign.	Date	14/05/2013
Project	FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2			
Drawing Title	Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)			

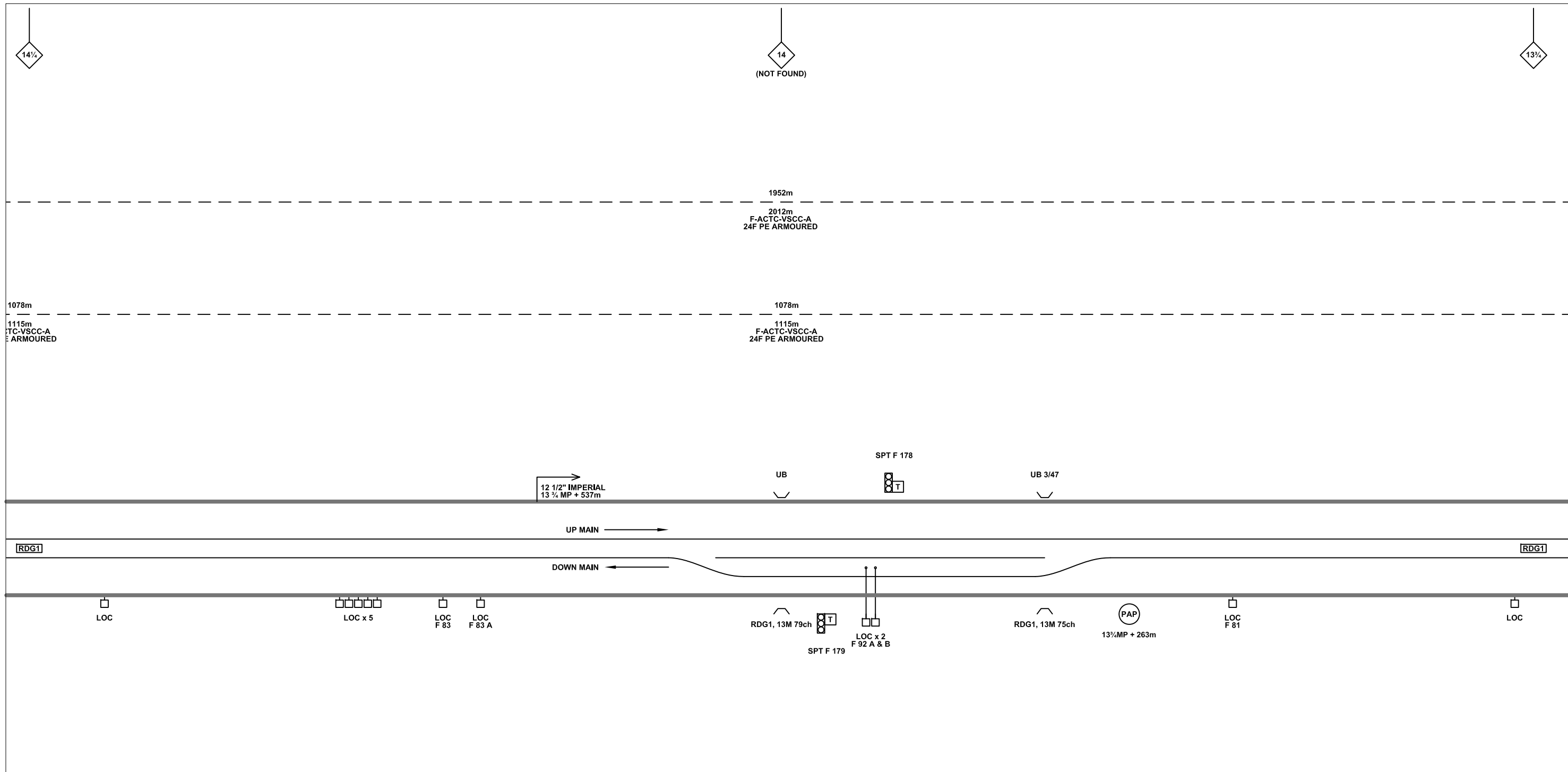
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 1

Drawing Number: NTPO\SLD\2125\2127\001

Sheet: 1 of 10

Revision: C



Notes

C	20/06/2013	Re-Drawn by NWR to Include all Stage 2 Construction As-Built	PT	PB	GH
B	14/05/2013	Converted to As-built	MT	RP	SW
A	06/04/2011	Redrafted from NTPOSLDHWJNWNJN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg	DA	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

**As-built**

Scale(s) NTS

ELR & Mileage RDG1, HOU & HJW

Designed	Michal Taraj	Sign.	Date	14/05/2013
Drawn	Michal Taraj	Sign.	Date	14/05/2013
Checked	Rashmi Patel	Sign.	Date	14/05/2013
Approved	Steve Witt	Sign.	Date	14/05/2013
Project	FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2			
Drawing Title	Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)			

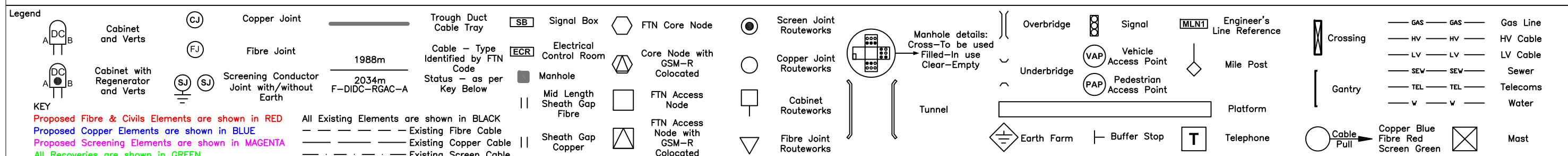
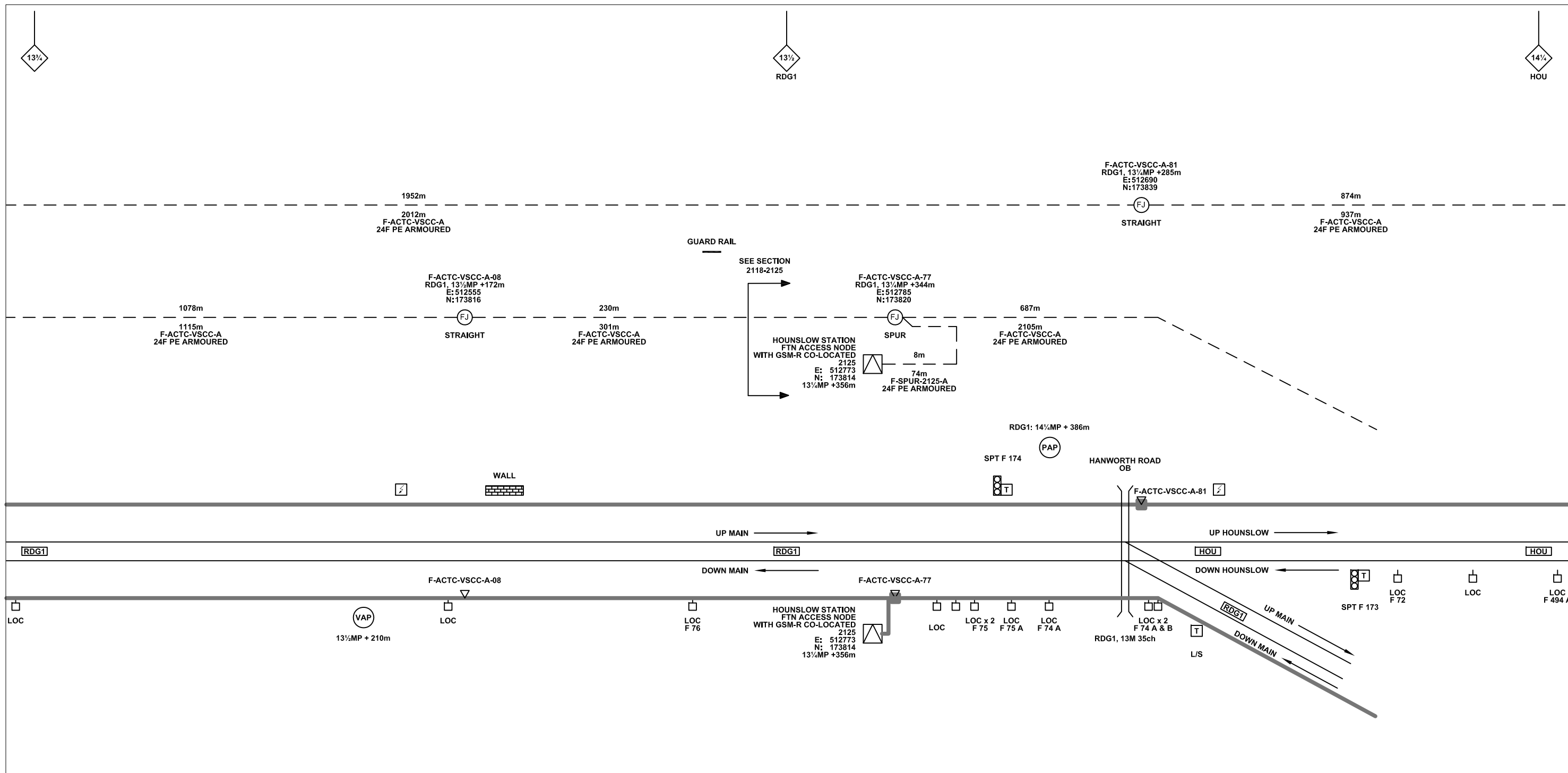
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference See Layout Tab 841 x 297 Sheet 1

Drawing Number NTPO\SLD\2125\2127\001

Sheet 2 of 10

Revision C



Notes

C	20/06/2013	Re-Drawn by NWR to Include all Stage 2 Construction As-Built	PT	PB	GH
B	14/05/2013	Converted to As-built	MT	RP	SW
A	06/04/2011	Redrafted from NTPOSLDHWJNWNJN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg	DA	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

**McNicholas**

Status: **As-built**

Scale(s): NTS

ELR & Mileage: RDG1, HOU & HJW

Designed	Michal Taraj	Sign.	Date	14/05/2013
Drawn	Michal Taraj	Sign.	Date	14/05/2013
Checked	Rashmi Patel	Sign.	Date	14/05/2013
Approved	Steve Witt	Sign.	Date	14/05/2013
Project				
<b>FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2</b>				
Drawing Title				
<b>Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)</b>				

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

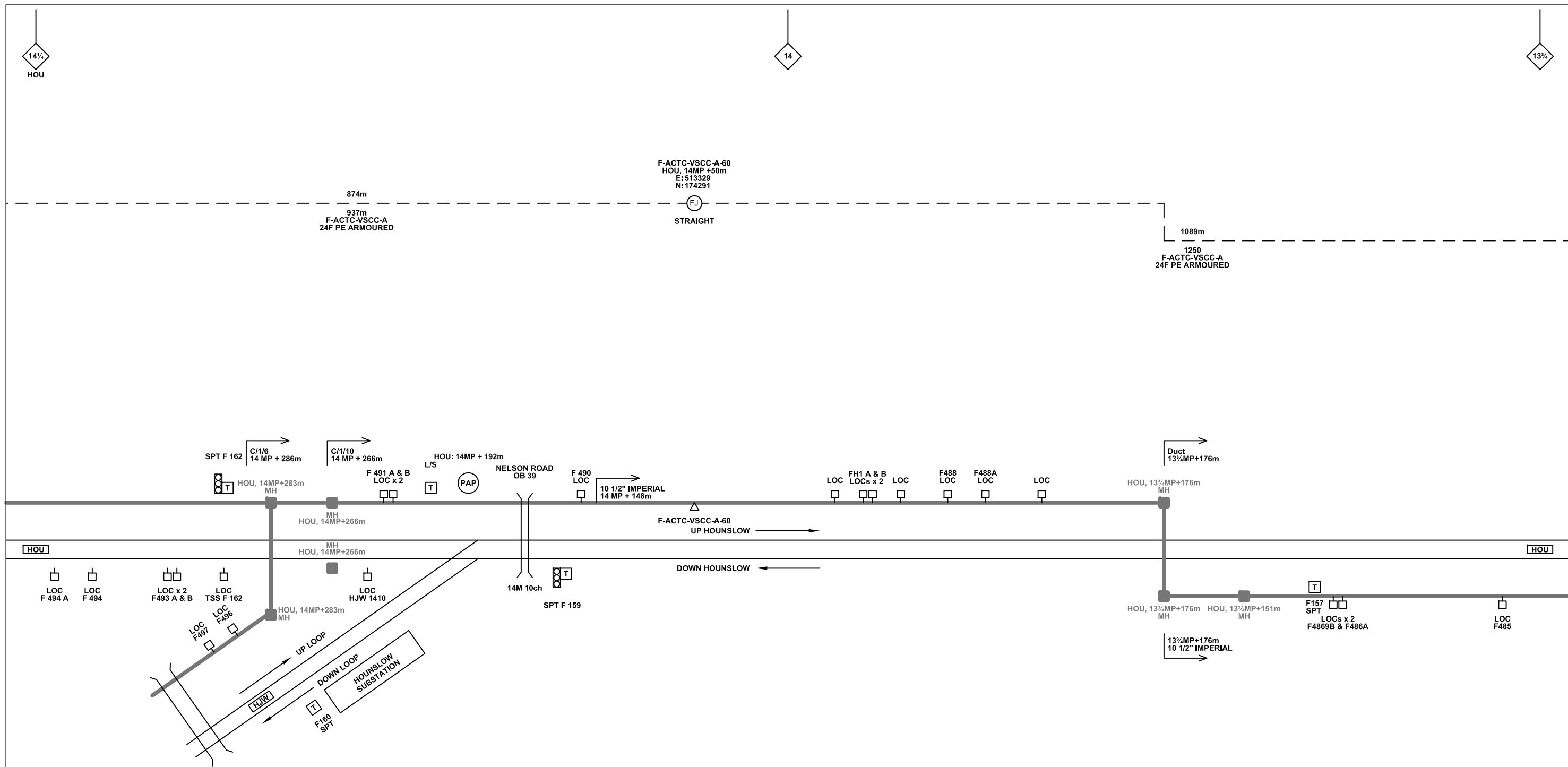
Alternative Reference: See Layout Tab 841 x 297 Sheet 2

Drawing Number: NTPO\SLD\2125\2127\001

Sheet: 3 of 10

Revision: C



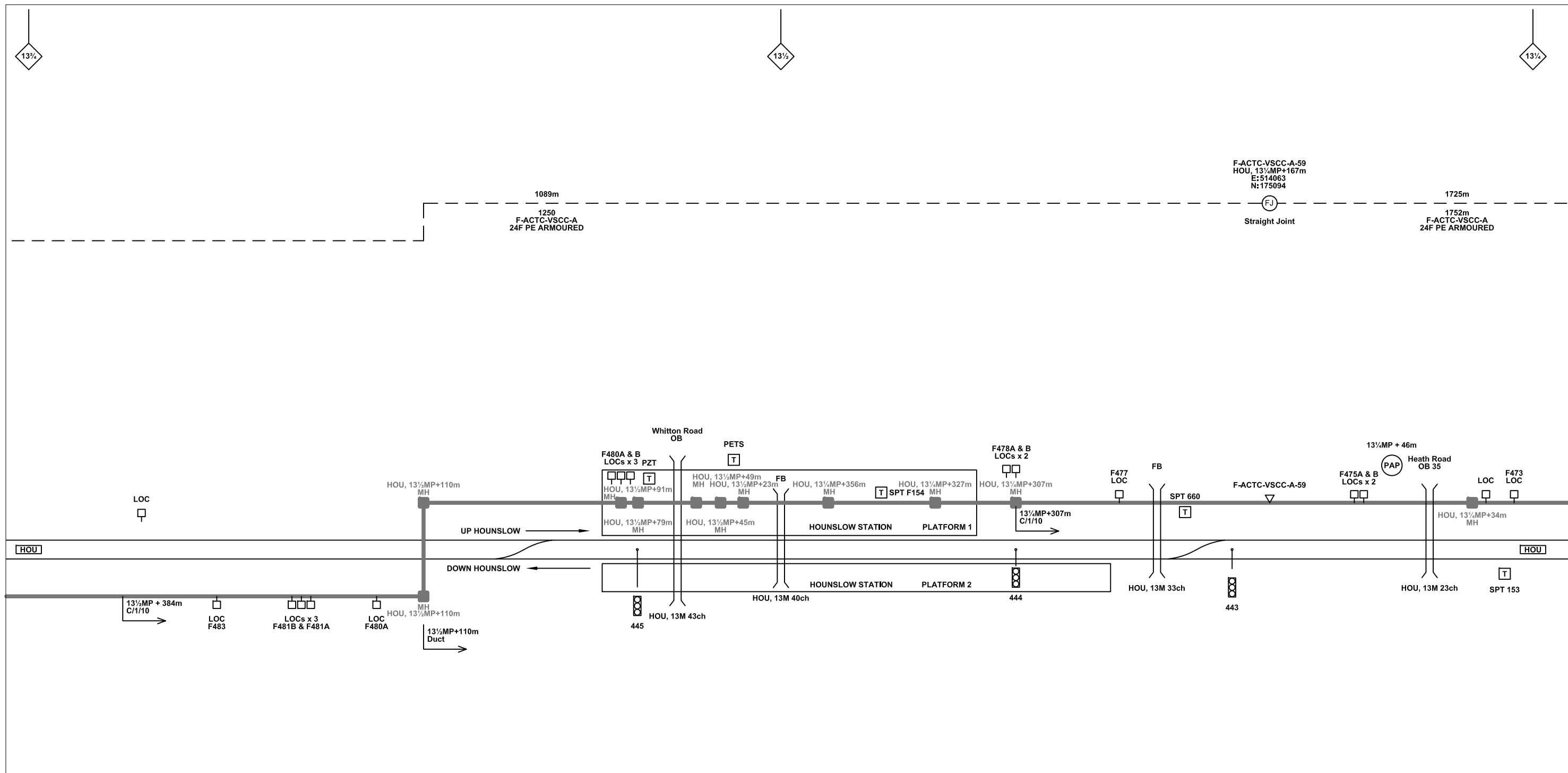


**Legend**

	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	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		Underbridge		Vehicle Access Point		Mile Post		Gantry		HV	HV Cable
<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		Water		LV	LV Cable
					Sheath Gap Copper		FTN Access Node with GSM-R Colocated		Fibre Joint Routeworks		Earth Farm		Buffer Stop		Telephone		Cable Pull		Mast		SEW	Sewer
																					TEL	Telecoms

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

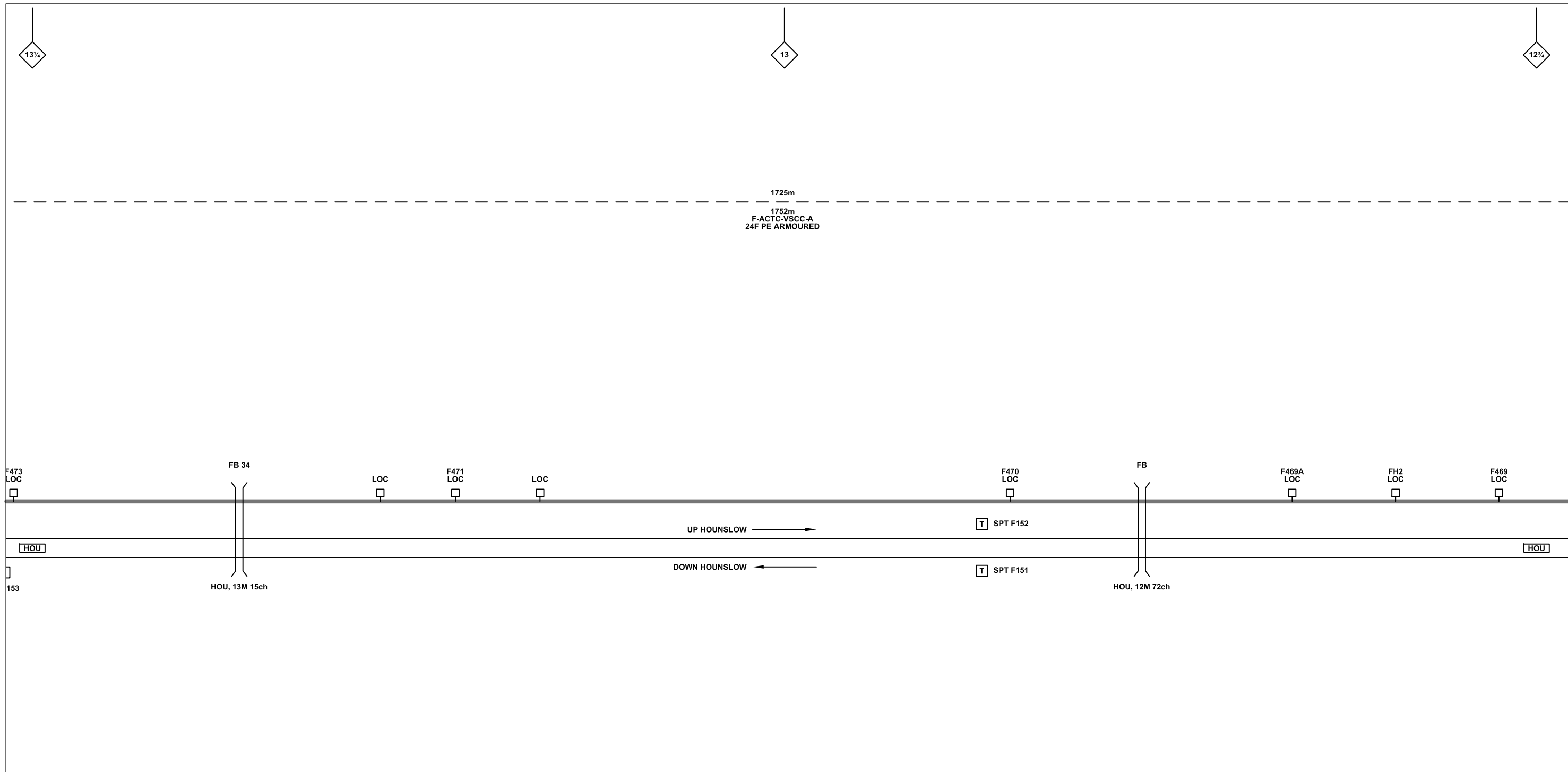
		Contractor(s) NTS		Status <b>As-built</b>		Scale(s) RDG1, HOU & HJW		Designed: Michal Taraj, Date: 14/05/2013 Drawn: Michal Taraj, Date: 14/05/2013 Checked: Rashmi Patel, Date: 14/05/2013 Approved: Steve Witt, Date: 14/05/2013			
Project <b>FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2</b>		Drawing Title <b>Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)</b>		Alternative Reference See Layout Tab 841 x 297 Sheet 2		Drawing Number NTPO\SLD\2125\2127\001		Sheet 4 of 10		Revision C	
Rev   Date   Description of Revisions   Drawn   Chkd   Appr		C   20/06/2013   Re-Drawn by NWR to Include all Stage 2 Construction As-Built   PT   PB   GH		B   14/05/2013   Converted to As-built   MT   RP   SW		A   06/04/2011   Redrafted from NTPOSLDHWJNWNJN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg   DA   JW   CT		FTN/GSM-R Project Tournament House Paddington London W2 1HA		Sheet Size A3 297x420	



**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
	<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		Water		LV	LV Cable
	<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		Earth Farm		Buffer Stop		Telephone		Cable Pull		Mast		SEW	Sewer
	<b>Proposed Copper Elements are shown in BLUE</b>		<b>Existing Fibre Cable</b>																		TEL	Telecoms
	<b>Proposed Screening Elements are shown in MAGENTA</b>		<b>Existing Copper Cable</b>																		W	Water
	<b>All Recoveries are shown in GREEN</b>		<b>Existing Screen Cable</b>																			

Notes			Contractor(s)			Designed Michal Taraj Sign. Date 14/05/2013			Sign. Date 14/05/2013								
B 14/05/2013			Re-Drawn by NWR to Include all Stage 2 Construction As-Built			Drawn Michal Taraj Sign. Date 14/05/2013			Sign. Date 14/05/2013								
A 06/04/2011			Redrafted from NTPOSLDHWJNWNJN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg			Checked Rashmi Patel Sign. Date 14/05/2013			Sign. Date 14/05/2013			FTN/GSM-R Project Tournament House Paddington London W2 1HA					
Rev			Description of Revisions			Approved Steve Witt Sign. Date 14/05/2013			Sign. Date 14/05/2013								
						Project <b>FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2</b>						Alternative Reference See Layout Tab 841 x 297 Sheet 3					
Status <b>As-built</b>						Drawing Title <b>Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)</b>						Drawing Number <b>NTPO\SLD/2125\2127\001</b>					
Scale(s) NTS						ELR & Mileage RDG1, HOU & HJW						Sheet <b>5 of 10</b>					
												Revision <b>C</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	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
<b>KEY</b>	Screening Conductor Joint with/without Earth	1988m Cable - Type Identified by FTN Code	Status - as per Key Below	FTN Access Node	Cabinet Routeworks	Mid Length Sheath Gap Fibre	Tunnel	Pedestrian Access Point	Platform	Water	LV Cable
<b>Proposed Fibre &amp; Civils Elements are shown in RED</b>	2034m F-DIDC-RGAC-A	Existing Fibre Cable	Existing Copper Cable	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Sheath Gap Copper	Earth Farm	Buffer Stop	Telephone	Mast	Telecoms
<b>Proposed Copper Elements are shown in BLUE</b>		Existing Screen Cable									Copper Blue Fibre Red Screen Green
<b>Proposed Screening Elements are shown in MAGENTA</b>											
<b>All Recoveries are shown in GREEN</b>											

Notes

C	20/06/2013	Re-Drawn by NWR to Include all Stage 2 Construction As-Built	PT	PB	GH
B	14/05/2013	Converted to As-built	MT	RP	SW
A	06/04/2011	Redrafted from NTPOSLDHWJNWNJN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg	DA	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

**As-built**

Scale(s) NTS

ELR & Mileage RDG1, HOU & HJW

Designed	Michal Taraj	Sign.	Date	14/05/2013
Drawn	Michal Taraj	Sign.	Date	14/05/2013
Checked	Rashmi Patel	Sign.	Date	14/05/2013
Approved	Steve Witt	Sign.	Date	14/05/2013
Project	FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2			
Drawing Title	Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)			

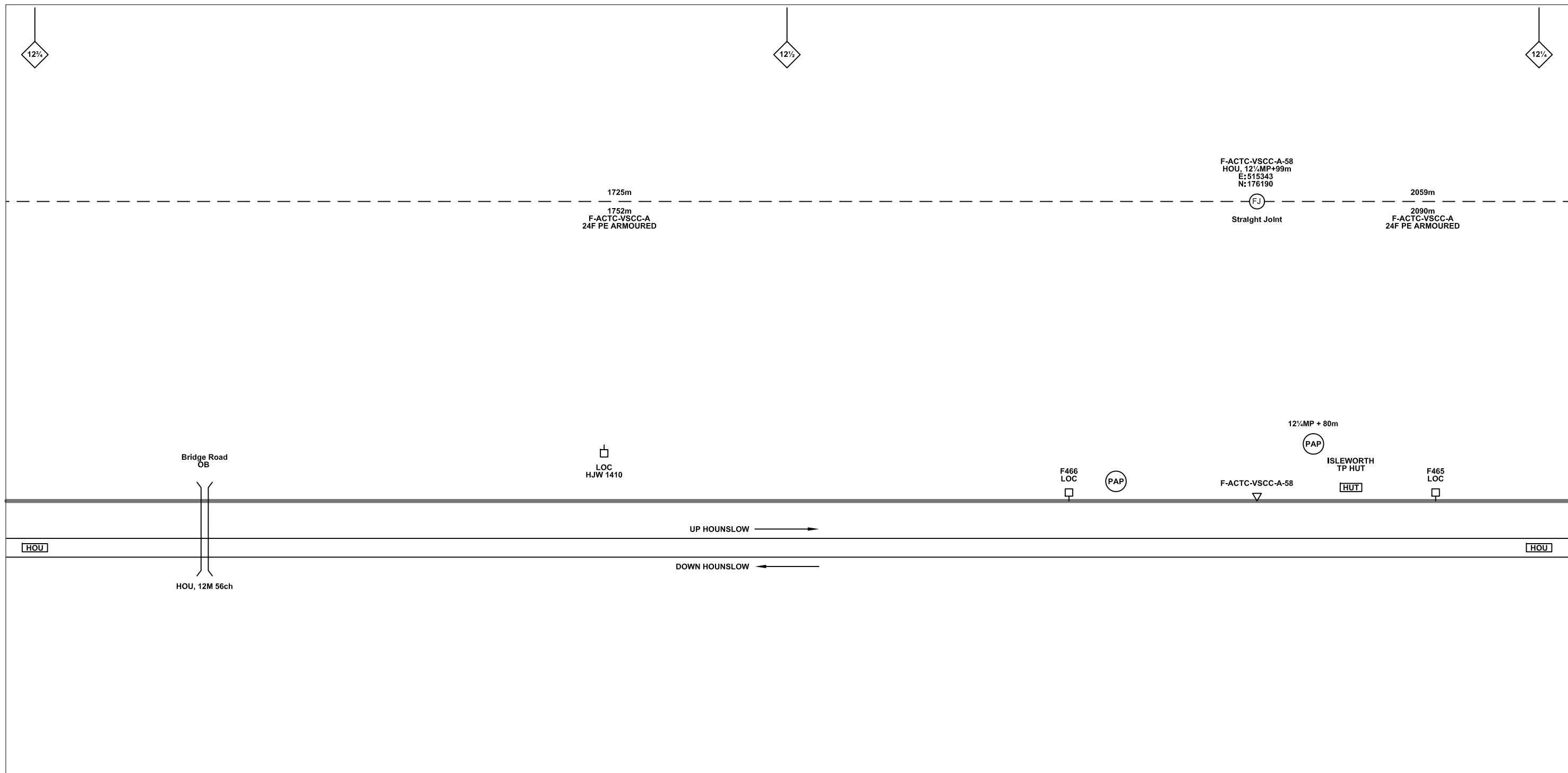
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference See Layout Tab 841 x 297 Sheet 3

Drawing Number NTPO\SLD\2125\2127\001

Sheet 6 of 10

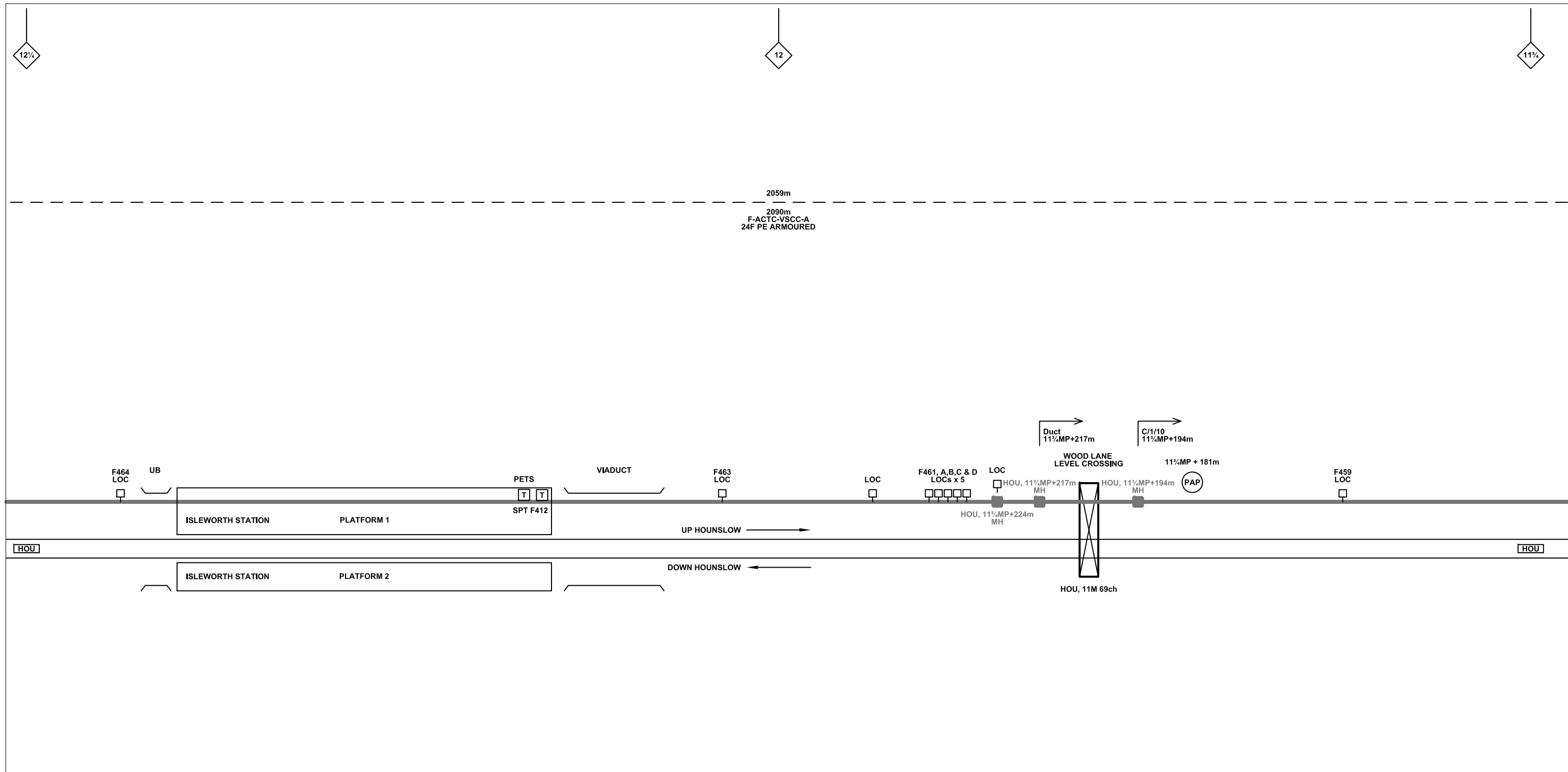
Revision C



**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 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
<b>KEY</b>	Screening Conductor Joint with/without Earth	2034m F-DIDC-RGAC-A	Manhole	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	Water	Cable Pull
Proposed Fibre & Civils Elements are shown in RED	1988m	Status - as per Key Below	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	Mast	Screen Green
Proposed Copper Elements are shown in BLUE	Existing Fibre Cable	Existing Copper Cable	Sheath Gap Copper							
Proposed Screening Elements are shown in MAGENTA	Existing Screen Cable									
All Recoveries are shown in GREEN										

Notes		Contractor(s)		Designed: Michal Taraj, Sign., Date: 14/05/2013		Date: 14/05/2013			
B 14/05/2013		Converted to As-built		Drawn: Michal Taraj, Sign., Date: 14/05/2013		Date: 14/05/2013			
A 06/04/2011		Redrafted from NTPOSLDHWJNWNJN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg		Checked: Rashmi Patel, Sign., Date: 14/05/2013		Date: 14/05/2013			
Rev		Description of Revisions		Approved: Steve Witt, Sign., Date: 14/05/2013		Date: 14/05/2013			
				<b>FTN/GSM-R Project</b> <b>CA6 LOR ACTC-VSCC Stage 2</b>				FTN/GSM-R Project Tournament House Paddington London W2 1HA	
Status: <b>As-built</b>				Drawing Title: <b>Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)</b>				Alternative Reference: <b>See Layout Tab 841 x 297 Sheet 4</b>	
Scale(s): NTS				ELR & Mileage: RDG1, HOU & HJW				Drawing Number: <b>NTPO\SLD/2125\2127\001</b>	
								Sheet: <b>7 of 10</b>	
								Revision: <b>C</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		Underbridge		Vehicle Access Point		Mile Post		HV 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		Tunnel		Pedestrian Access Point		Platform		Gantry		LV Cable					
	Proposed Fibre & Civils Elements are shown in RED		All Existing Elements are shown in BLACK		Existing Fibre Cable		Existing Copper Cable		Existing Screen Cable		Sheath Gap Copper		FTN Access Node with GSM-R Colocated		Fibre Joint Routeworks		Earth Farm		Buffer Stop		Telephone		Cable Pull	Copper Blue Fibre Red Screen Green		Mast

Notes

C	20/06/2013	Re-Drawn by NWR to Include all Stage 2 Construction As-Built	PT	PB	GH
B	14/05/2013	Converted to As-built	MT	RP	SW
A	06/04/2011	Redrafted from NTPOSLDHWJNWNJN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg	DA	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

**As-built**

Scale(s) NTS

ELR & Mileage RDG1, HOU & HJW

Designed	Michal Taraj	Sign.	Date	14/05/2013
Drawn	Michal Taraj	Sign.	Date	14/05/2013
Checked	Rashmi Patel	Sign.	Date	14/05/2013
Approved	Steve Witt	Sign.	Date	14/05/2013
Project	FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2			
Drawing Title	Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)			

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

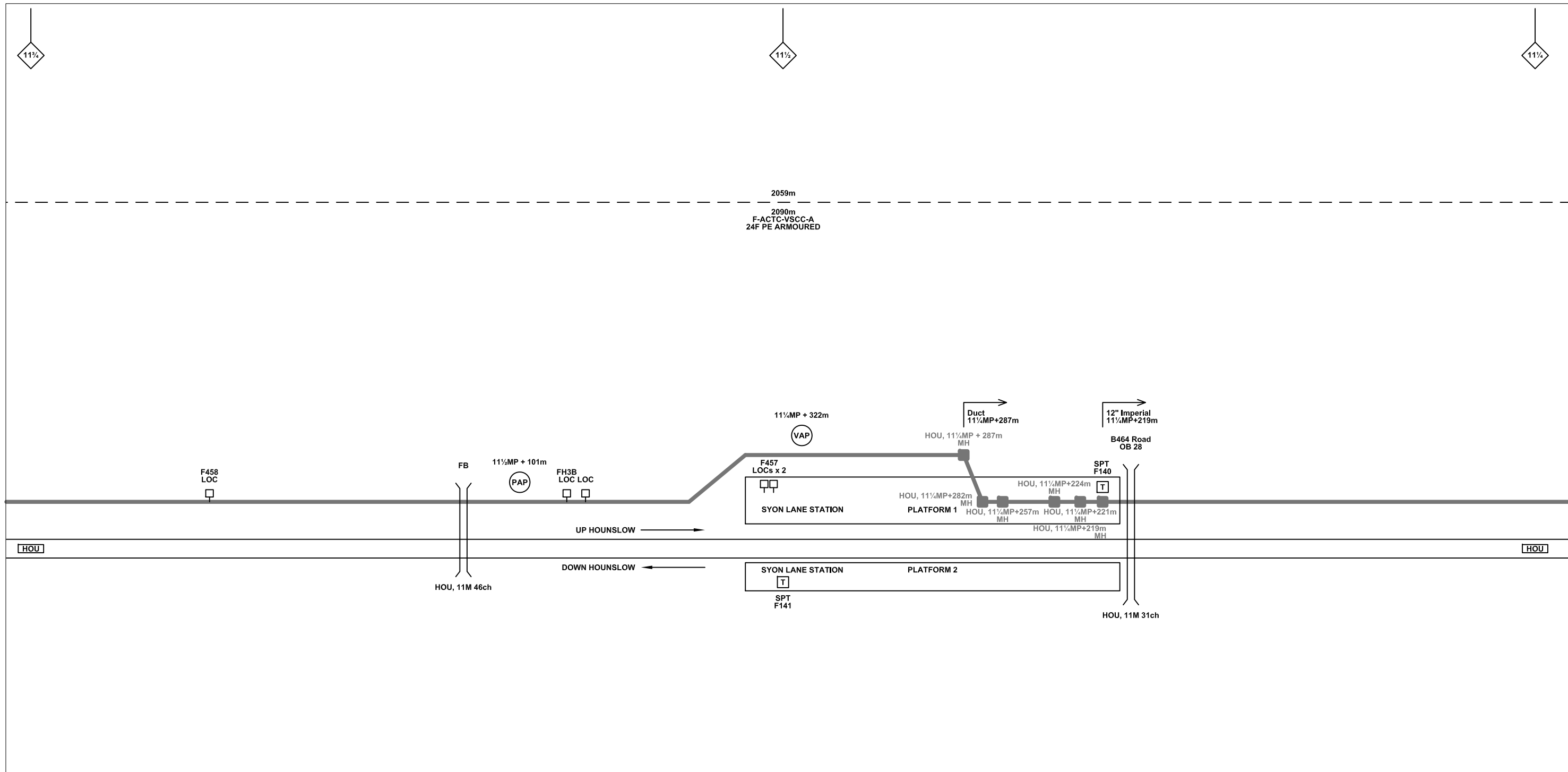
Alternative Reference See Layout Tab 841 x 297 Sheet 4

Drawing Number NTPO\SLD\2125\2127\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	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
<b>KEY</b>	Screening Conductor Joint with/without Earth	Status - as per Key Below	Manhole	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	Water	LV Cable
<b>Proposed Fibre &amp; Civils Elements are shown in RED</b>	Existing Fibre Cable	Existing Copper Cable	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	Mast	Sewer
<b>Proposed Copper Elements are shown in BLUE</b>	Existing Screen Cable	Sheath Gap Copper	Sheath Gap Copper							Telecoms
<b>Proposed Screening Elements are shown in MAGENTA</b>										
<b>All Recoveries are shown in GREEN</b>										

Notes

C	20/06/2013	Re-Drawn by NWR to Include all Stage 2 Construction As-Built	PT	PB	GH
B	14/05/2013	Converted to As-built	MT	RP	SW
A	06/04/2011	Redrafted from NTPOSLDHWJNWNJN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg	DA	JW	CT
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Contractor(s)

**As-built**

Scale(s) NTS

ELR & Mileage RDG1, HOU & HJW

Designed	Michal Taraj	Sign.	Date	14/05/2013
Drawn	Michal Taraj	Sign.	Date	14/05/2013
Checked	Rashmi Patel	Sign.	Date	14/05/2013
Approved	Steve Witt	Sign.	Date	14/05/2013
Project	FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2			
Drawing Title	Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)			

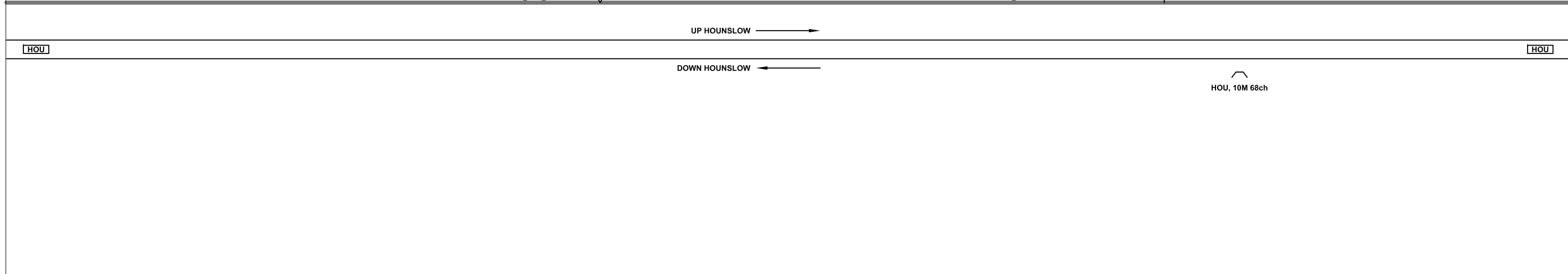
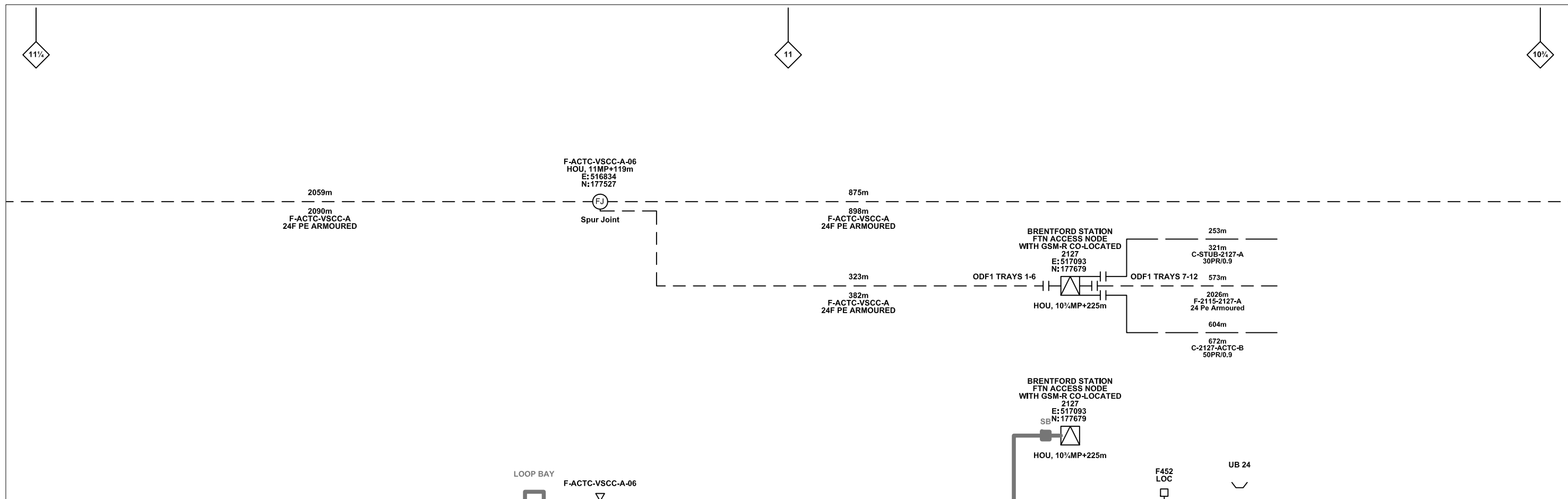
FTN/GSM-R Project  
Tournament House  
Paddington  
London  
W2 1HA

Alternative Reference See Layout Tab 841 x 297 Sheet 5

Drawing Number NTPO\SLD\2125\2127\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 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	Gantry	HV 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	Tunnel	Pedestrian Access Point	Mile Post	Platform	LV Cable
<b>Proposed Fibre &amp; Civils Elements are shown in RED</b>	Existing Fibre Cable	Existing Copper Cable	Sheath Gap Copper	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	Cable Pull	Water
<b>Proposed Copper Elements are shown in BLUE</b>	Existing Screen Cable	Manhole details: Cross-To be used	Manhole details: Filled-In use	Manhole details: Clear-Empty	Mast					
<b>Proposed Screening Elements are shown in MAGENTA</b>										
<b>All Recoveries are shown in GREEN</b>										

Notes			Contractor(s)						<table border="1"> <tr><td>Designed</td><td>Michal Taraj</td><td>Sign.</td><td>Date</td><td>14/05/2013</td></tr> <tr><td>Drawn</td><td>Michal Taraj</td><td>Sign.</td><td>Date</td><td>14/05/2013</td></tr> <tr><td>Checked</td><td>Rashmi Patel</td><td>Sign.</td><td>Date</td><td>14/05/2013</td></tr> <tr><td>Approved</td><td>Steve Witt</td><td>Sign.</td><td>Date</td><td>14/05/2013</td></tr> </table>			Designed	Michal Taraj	Sign.	Date	14/05/2013	Drawn	Michal Taraj	Sign.	Date	14/05/2013	Checked	Rashmi Patel	Sign.	Date	14/05/2013	Approved	Steve Witt	Sign.	Date	14/05/2013																																		
Designed	Michal Taraj	Sign.	Date	14/05/2013																																																													
Drawn	Michal Taraj	Sign.	Date	14/05/2013																																																													
Checked	Rashmi Patel	Sign.	Date	14/05/2013																																																													
Approved	Steve Witt	Sign.	Date	14/05/2013																																																													
<table border="1"> <tr><td>C</td><td>20/06/2013</td><td>Re-Drawn by NWR to Include all Stage 2 Construction As-Built</td><td>PT</td><td>PB</td><td>GH</td></tr> <tr><td>B</td><td>14/05/2013</td><td>Converted to As-built</td><td>MT</td><td>RP</td><td>SW</td></tr> <tr><td>A</td><td>06/04/2011</td><td>Redrafted from NTPOSLDHWJNWNJN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg &amp; NTPOSLD21162127001A.dwg</td><td>DA</td><td>JW</td><td>CT</td></tr> <tr><td>Rev</td><td>Date</td><td>Description of Revisions</td><td>Drawn</td><td>Chkd</td><td>Appr</td></tr> </table>			C	20/06/2013	Re-Drawn by NWR to Include all Stage 2 Construction As-Built	PT	PB	GH	B	14/05/2013	Converted to As-built	MT	RP	SW	A	06/04/2011	Redrafted from NTPOSLDHWJNWNJN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg	DA	JW	CT	Rev	Date	Description of Revisions	Drawn	Chkd	Appr	<table border="1"> <tr><td>Status</td><td colspan="2">As-built</td></tr> <tr><td>Scale(s)</td><td>NTS</td><td>ELR &amp; Mileage</td></tr> <tr><td></td><td>RDG1, HOU &amp; HJW</td><td></td></tr> </table>			Status	As-built		Scale(s)	NTS	ELR & Mileage		RDG1, HOU & HJW		<table border="1"> <tr><td>Project</td><td colspan="2">FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2</td></tr> <tr><td>Drawing Title</td><td colspan="2">Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)</td></tr> <tr><td>Alternative Reference</td><td colspan="2">See Layout Tab 841 x 297 Sheet 5</td></tr> <tr><td>Drawing Number</td><td colspan="2">NTPO\SLD\2125\2127\001</td></tr> <tr><td>Revision</td><td colspan="2">C</td></tr> </table>			Project	FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2		Drawing Title	Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)		Alternative Reference	See Layout Tab 841 x 297 Sheet 5		Drawing Number	NTPO\SLD\2125\2127\001		Revision	C		<table border="1"> <tr><td>Sheet</td><td colspan="2">10 of 10</td></tr> <tr><td>Sheet Size</td><td colspan="2">A3 297x420</td></tr> </table>			Sheet	10 of 10		Sheet Size	A3 297x420	
C	20/06/2013	Re-Drawn by NWR to Include all Stage 2 Construction As-Built	PT	PB	GH																																																												
B	14/05/2013	Converted to As-built	MT	RP	SW																																																												
A	06/04/2011	Redrafted from NTPOSLDHWJNWNJN001B.dwg, 2118-2125-2127 AS-BUILT SLD.dwg & NTPOSLD21162127001A.dwg	DA	JW	CT																																																												
Rev	Date	Description of Revisions	Drawn	Chkd	Appr																																																												
Status	As-built																																																																
Scale(s)	NTS	ELR & Mileage																																																															
	RDG1, HOU & HJW																																																																
Project	FTN/GSM-R Project CA6 LOR ACTC-VSCC Stage 2																																																																
Drawing Title	Hounslow Station (2125) to Brentford Station (2127) via Feltham (FLTS)																																																																
Alternative Reference	See Layout Tab 841 x 297 Sheet 5																																																																
Drawing Number	NTPO\SLD\2125\2127\001																																																																
Revision	C																																																																
Sheet	10 of 10																																																																
Sheet Size	A3 297x420																																																																