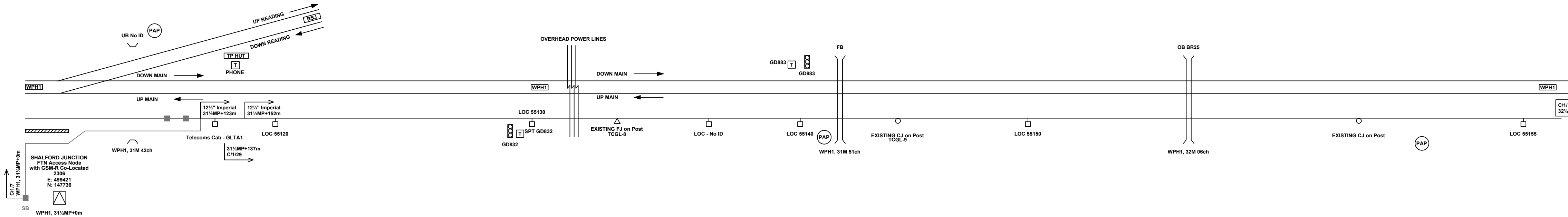


← SHALFORD JUNCTION SSSI (31MP+0668yds - 31MP+0900yds) →



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Manhole details: Green - To be used Red - In use Clear - Empty	Overbridge	Signal	Engineer's Line Reference	Crossing	GAS - GAS - Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Copper Cable	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Underbridge	VAP - Vehicle Access Point	Mile Post	Cable Pull	Gantry	HV - HV - HV Cable
523m Cable Description Copper	Screening Conductor Joint with/without Earth	Fibre Cable	Manhole	FTN Access Node	Cabinet Routeworks	Tunnel	PAP - Pedestrian Access Point	Platform	Copper Blue Fibre Red Screen Green	SEW - SEW - Sewer	LV - LV - LV Cable
540m Cable Description RGAC-A 30PR/0.63mm	2034m Cable Description Fibre	Screening Conductor	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	AC Stanchion	Water	TEL - TEL - Telecoms
218435-517825/314821-519242 Cable Description Fibre	484m Cable Description Screening Conductor	Sheath Gap Copper	Sheath Gap Copper								Water

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr	Status
B	30/09/2010	Drawing was previously NTPOS\SLD\2306\2307001A, Redrawn for as built purposes.	MT	RP	AA	As-built
C	15/08/2012	Stage 2 As Built	JAG	MG	JH	NTS

Contractor(s)

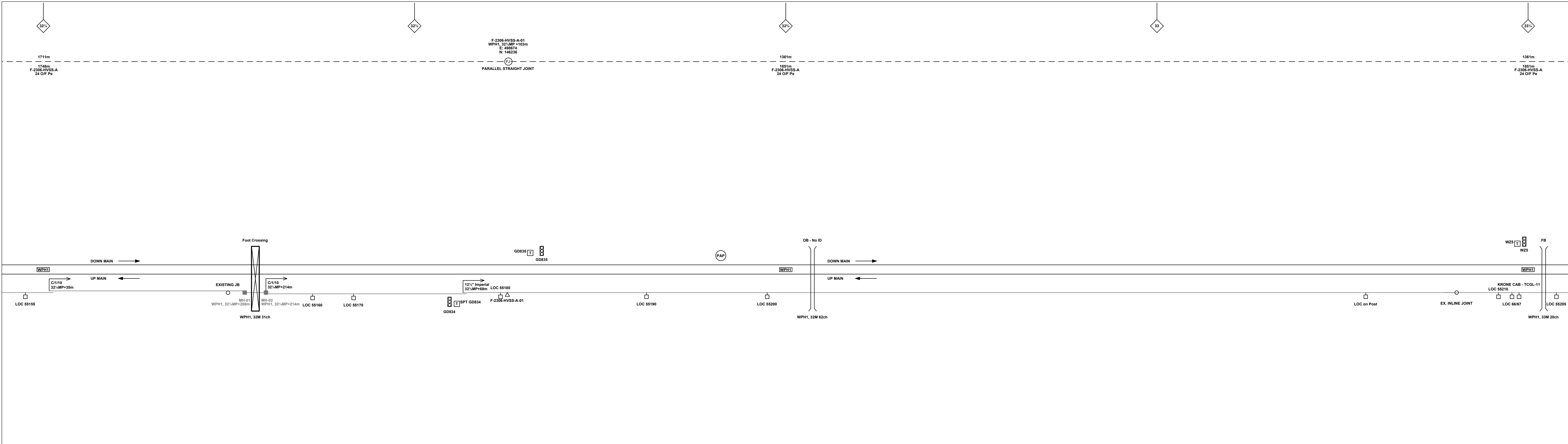
Designed	Michal Taraj	Sign.		Date	30/09/2010
Drawn	Michal Taraj	Sign.		Date	30/09/2010
Checked	Rashmi Patel	Sign.		Date	30/09/2010
Approved	Ajaz Ahmed	Sign.		Date	30/09/2010
Project	FTN / GSM-R Project Stage 2				
Drawing Title	Shalford Junction (2306) Godalming Station (2307) via FNCA				

Alternative Reference: See Layout Tab A3 Sheets 1 and 2

Drawing Number: NTPOS\SLD\2306\2307001

Sheet: 1 of 4

Revision: C



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Manhole details: Green - To be used Red - In use Clear - Empty	Overbridge	Signal	Engineer's Line Reference	Crossing	GAS — GAS — Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Copper Cable	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Tunnel	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV — HV — HV Cable
523m Cable Description Copper	Screening Conductor Joint with/without Earth	Fibre Cable	Manhole	FTN Access Node Colocated	Cabinet Routeworks	Manhole	Platform	Pedestrian Access Point	Telephone	Cable Pull	LV — LV — LV Cable
540m Cable Description F-DIC-RCAC-A 30PR/0.63mm	1988m Cable Description Fibre	Screening Conductor	Mid Length Sheath Gap Fibre	FTN Access Node	Fibre Joint Routeworks	Manhole	Earth Farm	Buffer Stop	AC Stanchion	Copper Blue Fibre Red Screen Green	SEW — SEW — Sewer
2034m Cable Description F-DIC-RCAC-A 24 Optic Fibre	484m Cable Description Fibre	Screening Conductor	Sheath Gap Copper	FTN Access Node with GSM-R Colocated		Manhole	Tunnel			TEL — TEL — Telecoms	Water
218435-517825/314821-519242 Cable Description Fibre	492m Cable Description Fibre	Screening Conductor				Manhole					

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	30/09/2010	Drawing was previously NTPOS\SLD\2306\2307001A, Redrawn for as built purposes.	MT	RP	AA
C	15/08/2012	Stage 2 As Built	JAG	MG	JH

Contractor(s)

As-built

Scale(s): NTS

ELR & Mileage: WPH1

Designed	Michal Taraj	Sign.		Date	30/09/2010
Drawn	Michal Taraj	Sign.		Date	30/09/2010
Checked	Rashmi Patel	Sign.		Date	30/09/2010
Approved	Ajaz Ahmed	Sign.		Date	30/09/2010
Project	FTN / GSM-R Project Stage 2				
Drawing Title	Shalford Junction (2306) Godalming Station (2307) via FNCA				

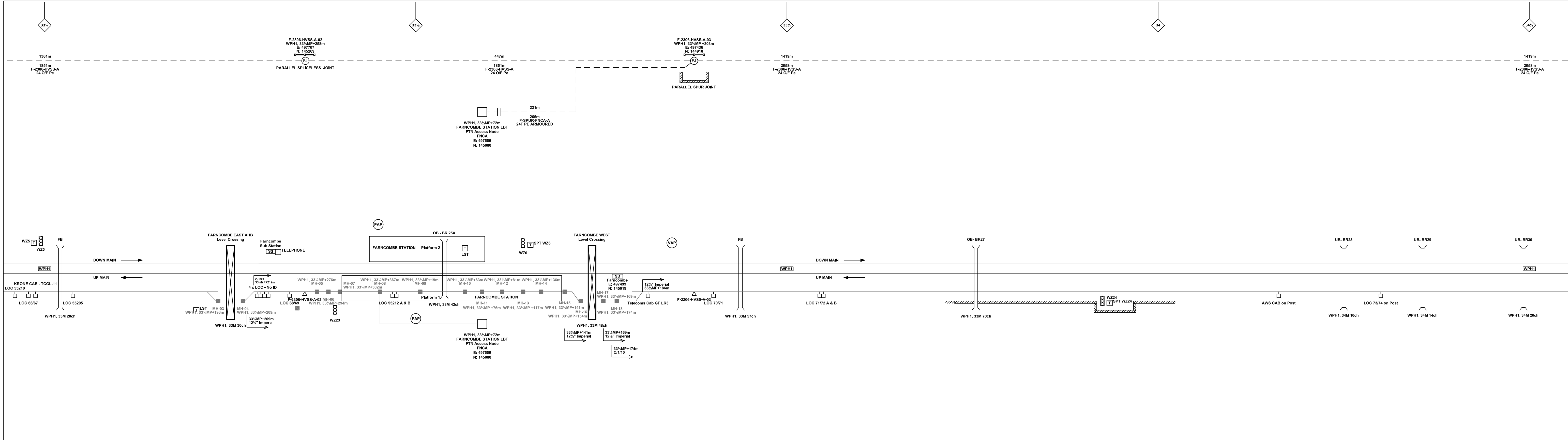
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab A3 Sheets 3 and 4

Drawing Number: NTPOS\SLD\2306\2307001

Sheet: 2 of 4

Revision: C



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Manhole details: Green-To be used, Red-In use, Clear-Empty	Overbridge	Signal	Engineer's Line Reference	Crossing	Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Copper Cable	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Manhole	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV Cable
523m Cable Description	Screening Conductor Joint with/without Earth	Fibre Cable	Mid Length Sheath Gap Fibre	FTN Access Node	Cabinet Routeworks	Sheath Gap Copper	Platform	Pedestrian Access Point	Telephone	Cable Pull	LV Cable
2034m Cable Description	Screening Conductor	Screening Conductor	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Buffer Stop	AC Stanchion	Water		

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr	Status
B	30/09/2010	Drawing was previously NTPOSLD23062307001A. Redrawn for as built purposes.	MT	RP	AA	
C	15/08/2012	Stage 2 As Built	JAG	MG	JH	

Contractor(s)

As-built

ELR & Message
WPH1

Scale(s)
NTS

Designed	Michal Taraj	Sgnr.	Date	30/09/2010
Drawn	Michal Taraj	Sgnr.	Date	30/09/2010
Checked	Rashmi Patel	Sgnr.	Date	30/09/2010
Approved	Ajaz Ahmed	Sgnr.	Date	30/09/2010

FTN / GSM-R Project Stage 2

Drawing Title: **Shalford Junction (2306) Godalming Station (2307) via FNCA**

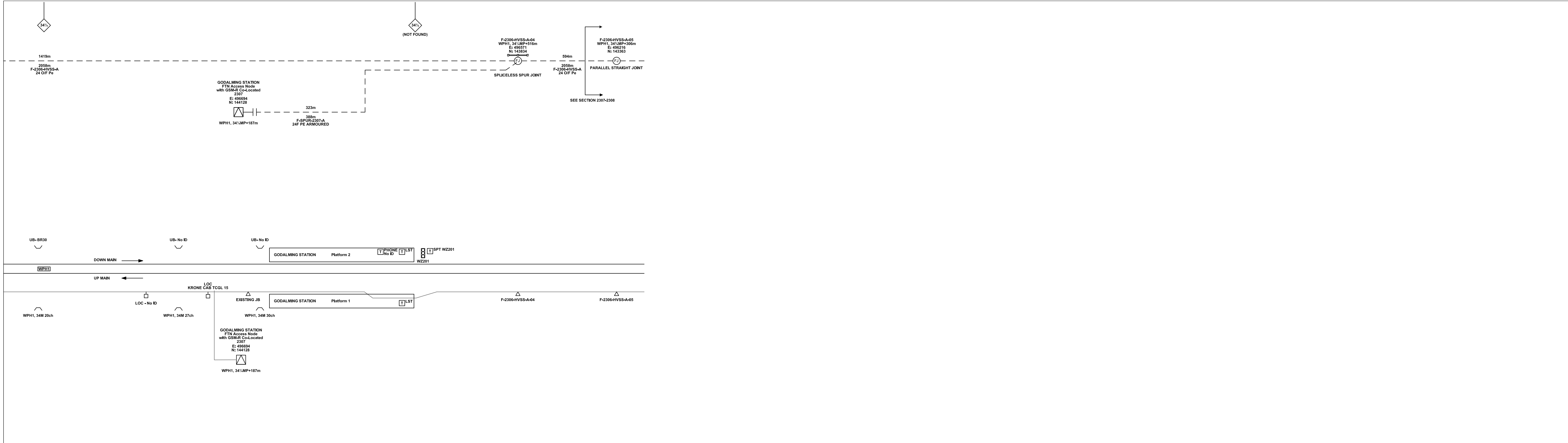
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

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

Drawing Number: **NTPO\SLD\2306\2307\001**

Revision: **C**

Sheet: **3 of 4**



Legend

Cabinet and Verts	Copper Joint	Trough Duct Cable Tray	Signal Box	FTN Core Node	Screen Joint Routeworks	Manhole	Mid Length Sheath Gap Fibre	Sheath Gap Copper	FTN Access Node	FTN Access Node with GSM-R Colocated	Fibre Joint	Fibre Joint Routeworks	Overbridge	Underbridge	Earth Farm	Buffer Stop	Telephone	Signal	Engineer's Line Reference	Crossing	Gantry	Cable Pull	AC Stanchion	
Cabinet with Regenerator and Verts	Fibre Joint	Copper Cable	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Manhole	Manhole details: Green-To be used Red-In use Clear-Empty	Manhole	Screening Conductor	Screening Conductor	Screening Conductor	Screening Conductor	Screening Conductor	Gas Line	HV Cable	LV Cable	Sewer	Telecoms	Water	Vehicle Access Point	Pedestrian Access Point	Copper Blue Fibre	Screen Green Fibre	AC Stanchion

523m Cable Description Copper
 2034m F-DIC-RGAC-A 24 Optic Fibre
 1988m Cable Description Fibre
 484m Cable Description Screening Conductor
 492m Cable Description Screening Conductor
 218435-517828/314821-519242 150sq mm 19/3.25mm

Notes

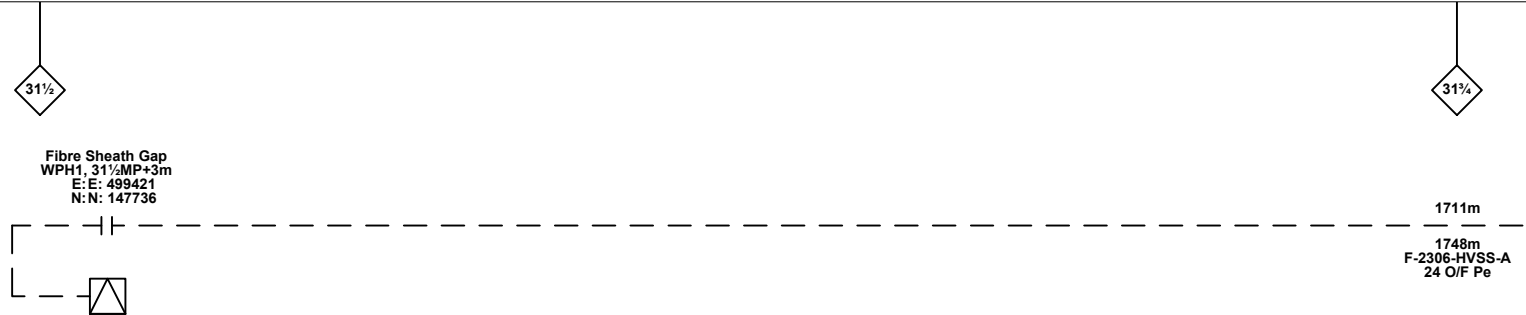
Rev	Date	Description of Revisions	Drawn	Chkd	Appr	Status
B	30/09/2010	Drawing was previously NTPOSLD23062307001A. Redrawn for as built purposes.	MT	RP	AA	As-built
C	15/08/2012	Stage 2 As Built	JAG	MG	JH	NTS

Contractor(s)

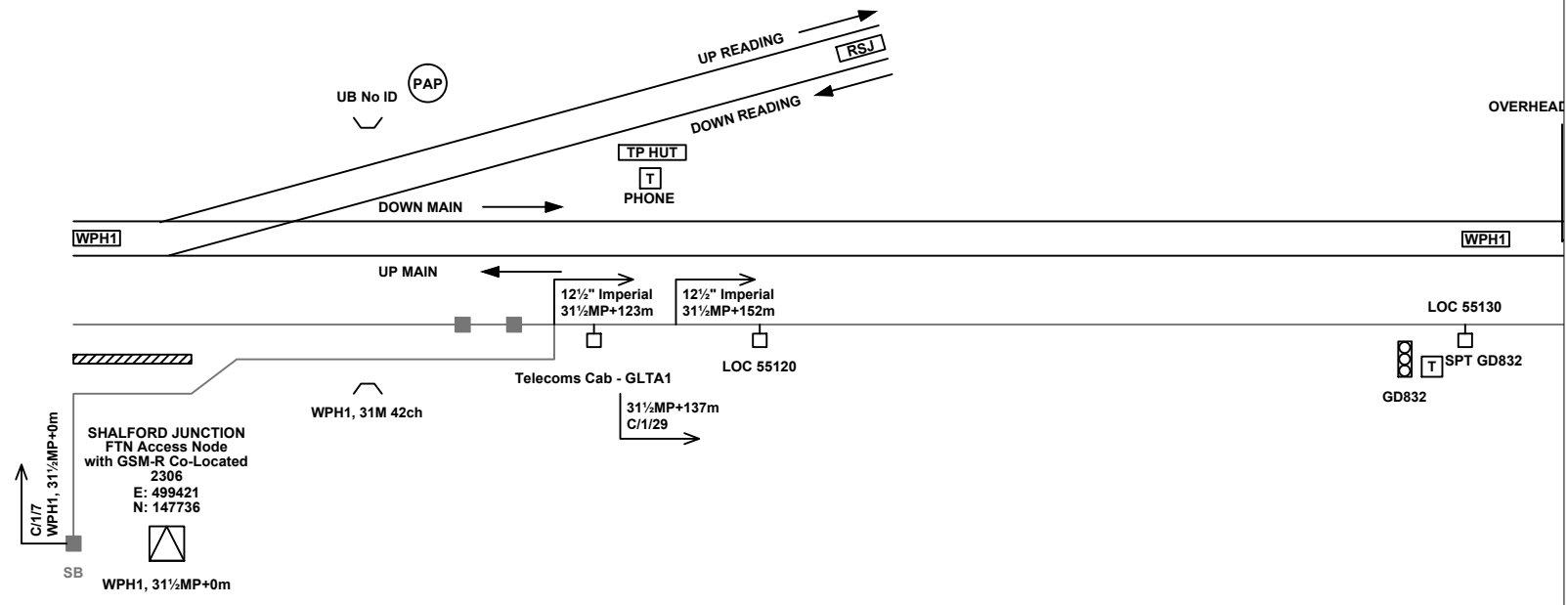
Scale(s): NTS
 ELR & Message: WPH1

Designed	Michal Taraj	Signt.	Date	30/09/2010
Drawn	Michal Taraj	Signt.	Date	30/09/2010
Checked	Rashmi Patel	Signt.	Date	30/09/2010
Approved	Ajaz Ahmed	Signt.	Date	30/09/2010
Project	FTN / GSM-R Project Stage 2			
Drawing Title	Shalford Junction (2306) Godalming Station (2307) via FNCA			

Alternative Reference: See Layout Tab A3 Sheet 7
 Drawing Number: NTPOSLD\2306\2307\001
 Sheet: 4 of 4
 Revision: C



← SHALFORD JUNCTION SSSI (31MP+0668yds - 31MP+0900yds) →



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	Copper Cable	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV Cable
Screening Conductor Joint with/without Earth	Screening Conductor	Fibre Cable	Manhole	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	Sewer	Telecoms
Cable Description Copper	Cable Description Fibre	Screening Conductor	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	Water	AC Stanchion
523m	1988m	484m								
540m C-DIDC-RGAC-A 30PR/0.63mm	2034m F-DIDC-RGAC-A 24 Optic Fibre	492m 218435-517828/314821-519242 150sq mm 19/3.25mm								

Manhole details: Green-To be used, Red-In use, Clear-Empty

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	30/09/2010	Drawing was previously NTPOSLD23062307001A, Redrawn for as built purposes.	MT	RP	AA
C	15/08/2012	Stage 2 As Built	JAG	MG	JH

Contractor(s)

Status: **As-built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed	Michal Taraj	Sign.		Date	30/09/2010
Drawn	Michal Taraj	Sign.		Date	30/09/2010
Checked	Rashmi Patel	Sign.		Date	30/09/2010
Approved	Ajaz Ahmed	Sign.		Date	30/09/2010
Project	FTN / GSM-R Project Stage 2				
Drawing Title	Shalford Junction (2306) Godalming Station (2307) via FNCA				

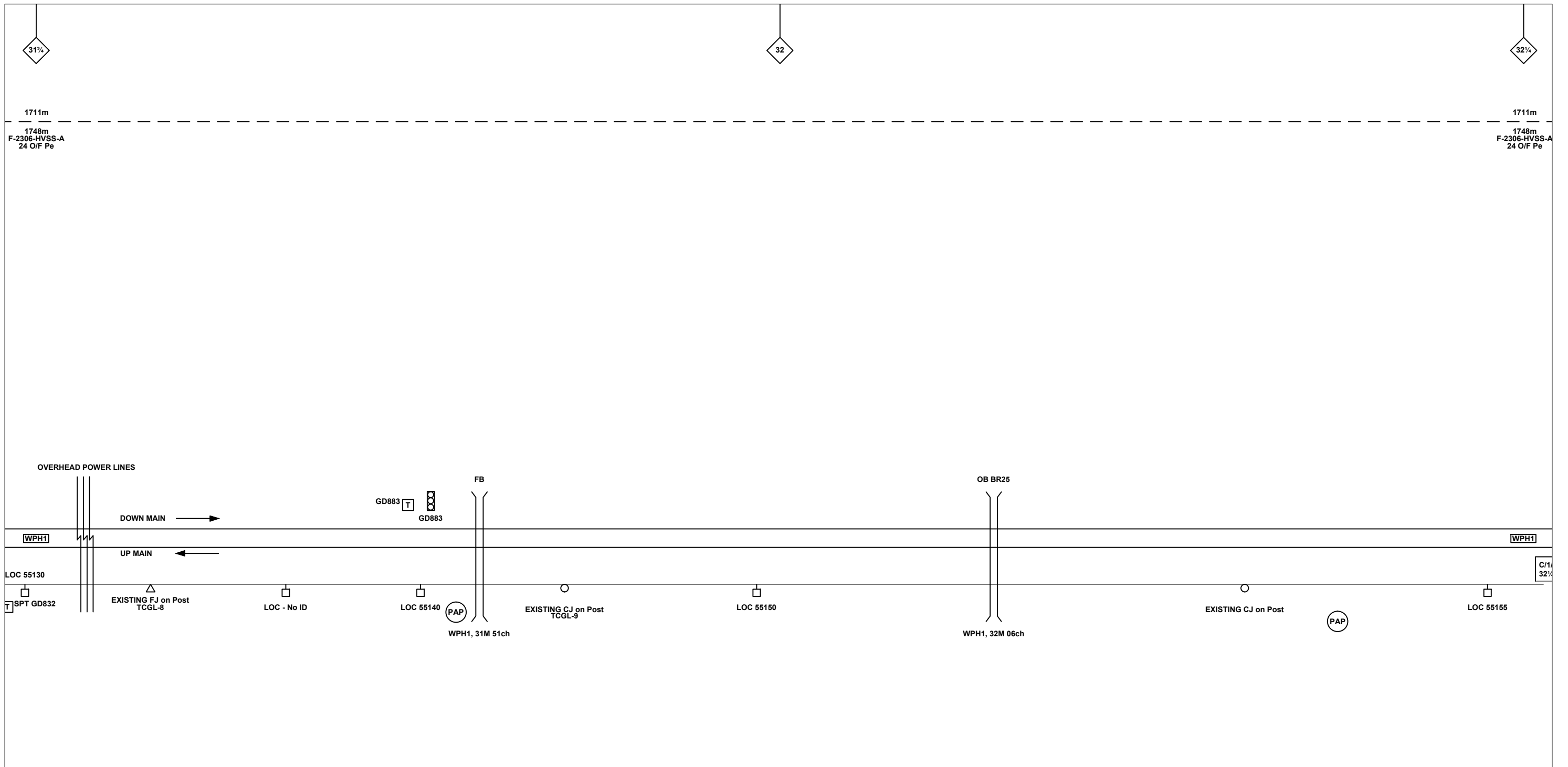
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 847 x 297 Sheet 1

Drawing Number: NTPO\SLD\2306\2307\001

Sheet: 1 of 7

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	Copper Cable	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV Cable
523m Cable Description Copper	Screening Conductor Joint with/without Earth	Fibre Cable	Manhole	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	Sewer	LV Cable
540m C-DIDC-RGAC-A 30PR/0.63mm	1988m Cable Description Fibre	Screening Conductor	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	Water	Cable Pull
2034m F-DIDC-RGAC-A 24 Optic Fibre	492m Cable Description Screening Conductor	Sheath Gap Copper	Manhole	Manhole details: Green-To be used, Red-In use, Clear-Empty	Tunnel	Earth Farm	Buffer Stop	Telephone	AC Stanchion	Copper Blue Fibre Red Screen Green

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	30/09/2010	Drawing was previously NTPOSLD23062307001A, Redrawn for as built purposes.	MT	RP	AA
C	15/08/2012	Stage 2 As Built	JAG	MG	JH

Contractor(s)

Status: **As-built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed	Michal Taraj	Sign.	Date	30/09/2010
Drawn	Michal Taraj	Sign.	Date	30/09/2010
Checked	Rashmi Patel	Sign.	Date	30/09/2010
Approved	Ajaz Ahmed	Sign.	Date	30/09/2010
Project	FTN / GSM-R Project Stage 2			
Drawing Title	Shalford Junction (2306) Godalming Station (2307) via FNCA			

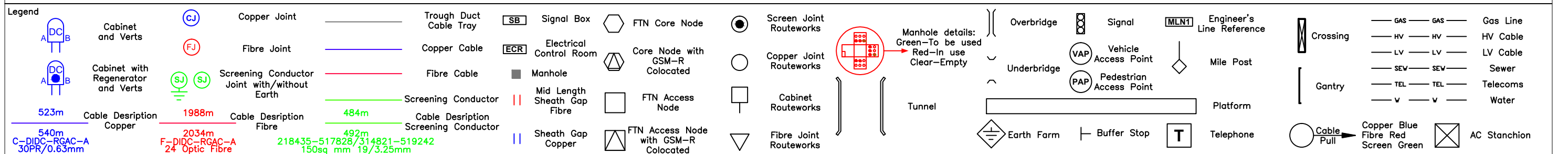
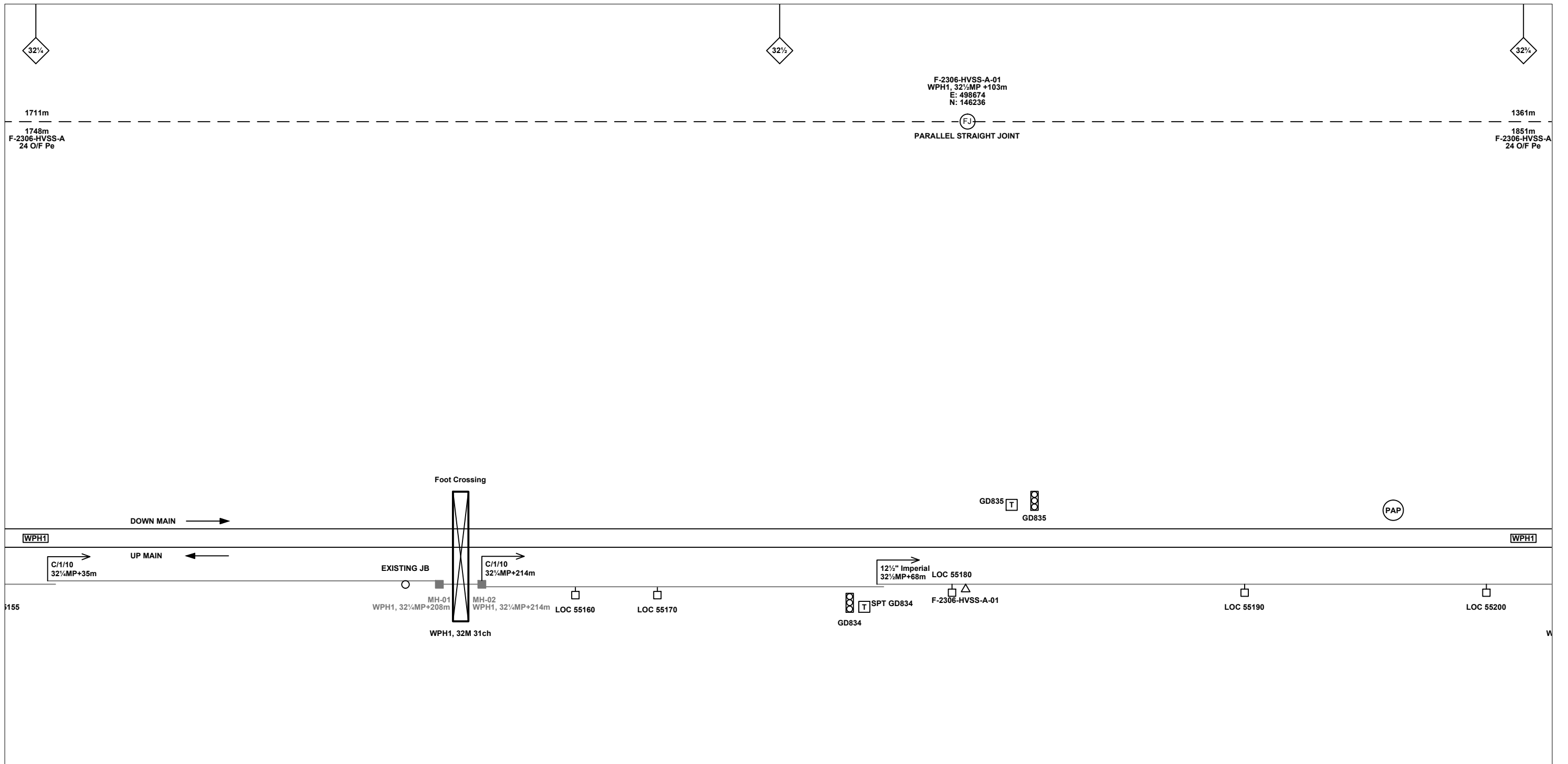
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 847 x 297 Sheet 1

Drawing Number: NTPO\SLD\2306\2307\001

Sheet: 2 of 7

Revision: C



Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	30/09/2010	Drawing was previously NTPOSLD23062307001A, Redrawn for as built purposes.	MT	RP	AA
C	15/08/2012	Stage 2 As Built	JAG	MG	JH

Contractor(s)

Status: **As-built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed	Michal Taraj	Sign.	Date	30/09/2010
Drawn	Michal Taraj	Sign.	Date	30/09/2010
Checked	Rashmi Patel	Sign.	Date	30/09/2010
Approved	Ajaz Ahmed	Sign.	Date	30/09/2010
Project	FTN / GSM-R Project Stage 2			
Drawing Title	Shalford Junction (2306) Godalming Station (2307) via FNCA			

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

Alternative Reference: See Layout Tab 847 x 297 Sheet 2

Sheet: 3 of 7

Drawing Number: NTPO\SLD\2306\2307\001

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	Copper Cable	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV Cable
523m Cable Description Copper	Screening Conductor Joint with/without Earth	Fibre Cable	Manhole	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	Sewer	LV Cable
540m C-DIDC-RGAC-A 30PR/0.63mm	1988m Cable Description Fibre	484m Cable Description Screening Conductor	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	Water	Cable Pull
2034m F-DIDC-RGAC-A 24 Optic Fibre	218435-517828/314821-519242 150sq mm 19/3.25mm	492m Cable Description Screening Conductor	Sheath Gap Copper		Manhole details: Green-To be used, Red-In use, Clear-Empty				AC Stanchion	

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	30/09/2010	Drawing was previously NTPOSLD23062307001A, Redrawn for as built purposes.	MT	RP	AA
C	15/08/2012	Stage 2 As Built	JAG	MG	JH

Contractor(s)

Status: **As-built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed	Michal Taraj	Sign.	Date	30/09/2010
Drawn	Michal Taraj	Sign.	Date	30/09/2010
Checked	Rashmi Patel	Sign.	Date	30/09/2010
Approved	Ajaz Ahmed	Sign.	Date	30/09/2010
Project	FTN / GSM-R Project Stage 2			
Drawing Title	Shalford Junction (2306) Godalming Station (2307) via FNCA			

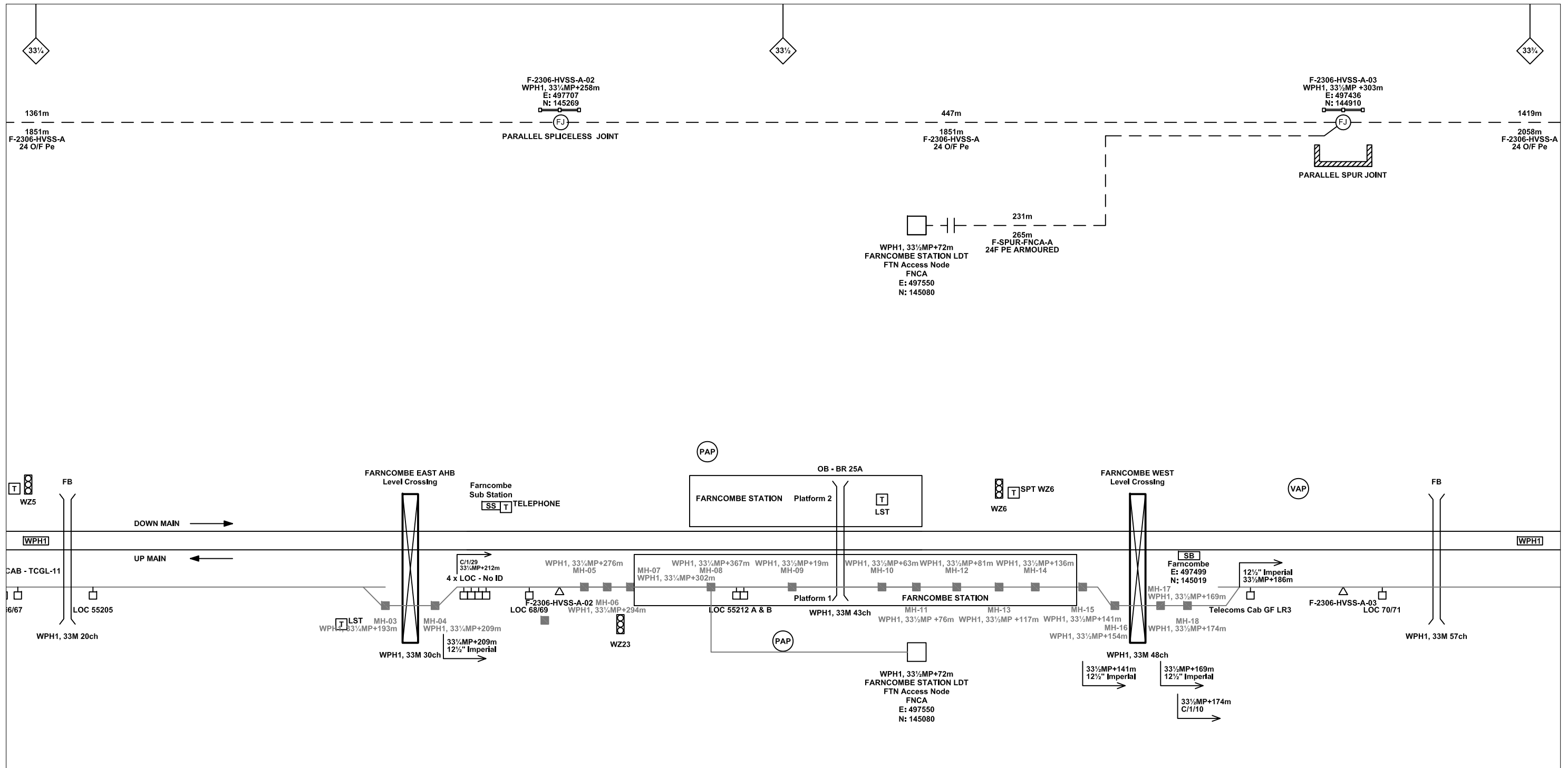
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 847 x 297 Sheet 2

Drawing Number: NTPO\SLD\2306\2307\001

Sheet: 4 of 7

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 — Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Copper Cable	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV — HV — HV — HV Cable
523m Cable Description Copper	Screening Conductor Joint with/without Earth	Fibre Cable	Manhole	FTN Access Node	Cabinet Routeworks		Pedestrian Access Point	Platform	LV — LV — LV — LV Cable	SEW — SEW — SEW — Sewer
540m C-DIDC-RGAC-A 30PR/0.63mm	2034m F-DIDC-RGAC-A 24 Optic Fibre	218435-517828/314821-519242 150sq mm 19/3.25mm	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Buffer Stop	Telephone	v — v — v — Water
484m Cable Description Screening Conductor	492m Cable Description Screening Conductor		Sheath Gap Copper						Cable Pull	AC Stanchion

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	30/09/2010	Drawing was previously NTPOSLD23062307001A. Redrawn for as built purposes.	MT	RP	AA
C	15/08/2012	Stage 2 As Built	JAG	MG	JH

Contractor(s)

Status: **As-built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed	Michal Taraj	Sign.	Date	30/09/2010
Drawn	Michal Taraj	Sign.	Date	30/09/2010
Checked	Rashmi Patel	Sign.	Date	30/09/2010
Approved	Ajaz Ahmed	Sign.	Date	30/09/2010
Project	FTN / GSM-R Project Stage 2			
Drawing Title	Shalford Junction (2306) Godalming Station (2307) via FNCA			

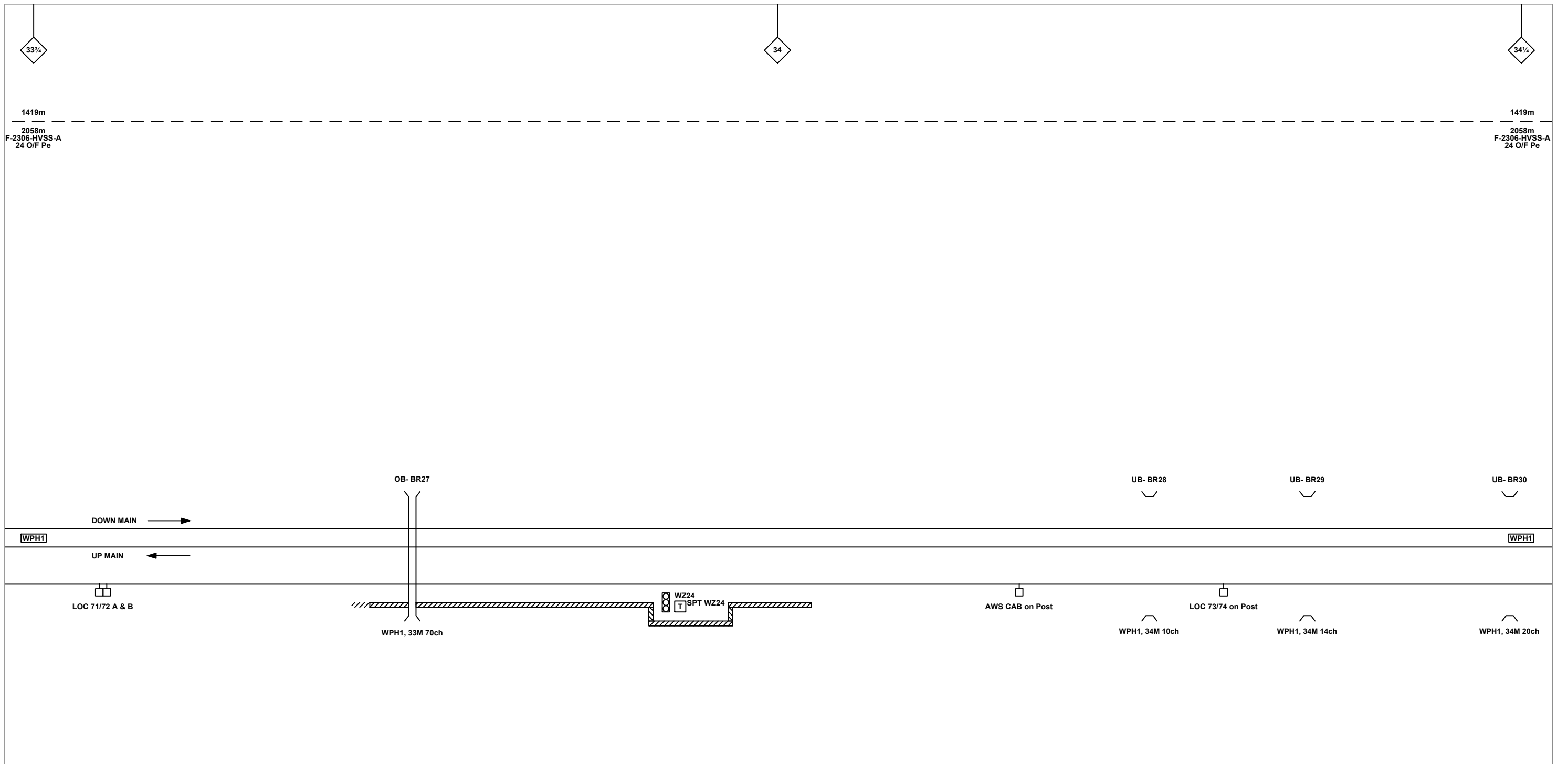
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 847 x 297 Sheet 3

Drawing Number: NTPO\SLD\2306\2307\001

Sheet: 5 of 7

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	Copper Cable	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Underbridge	Vehicle Access Point	Mile Post	Gantry	HV Cable
523m Cable Description Copper	Screening Conductor Joint with/without Earth	Fibre Cable	Manhole	FTN Access Node	Cabinet Routeworks	Tunnel	Pedestrian Access Point	Platform	Sewer	LV Cable
2034m Cable Description Fibre	492m Cable Description Screening Conductor	218435-517828/314821-519242 150sq mm 19/3.25mm	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Earth Farm	Buffer Stop	Telephone	Water	AC Stanchion
540m Cable Description Copper	24 Optic Fibre		Sheath Gap Copper		Manhole details: Green-To be used, Red-In use, Clear-Empty					

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	30/09/2010	Drawing was previously NTPOSLD23062307001A, Redrawn for as built purposes.	MT	RP	AA
C	15/08/2012	Stage 2 As Built	JAG	MG	JH

Contractor(s)

Status: **As-built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed	Michal Taraj	Sign.	Date	30/09/2010
Drawn	Michal Taraj	Sign.	Date	30/09/2010
Checked	Rashmi Patel	Sign.	Date	30/09/2010
Approved	Ajaz Ahmed	Sign.	Date	30/09/2010
Project	FTN / GSM-R Project Stage 2			
Drawing Title	Shalford Junction (2306) Godalming Station (2307) via FNCA			

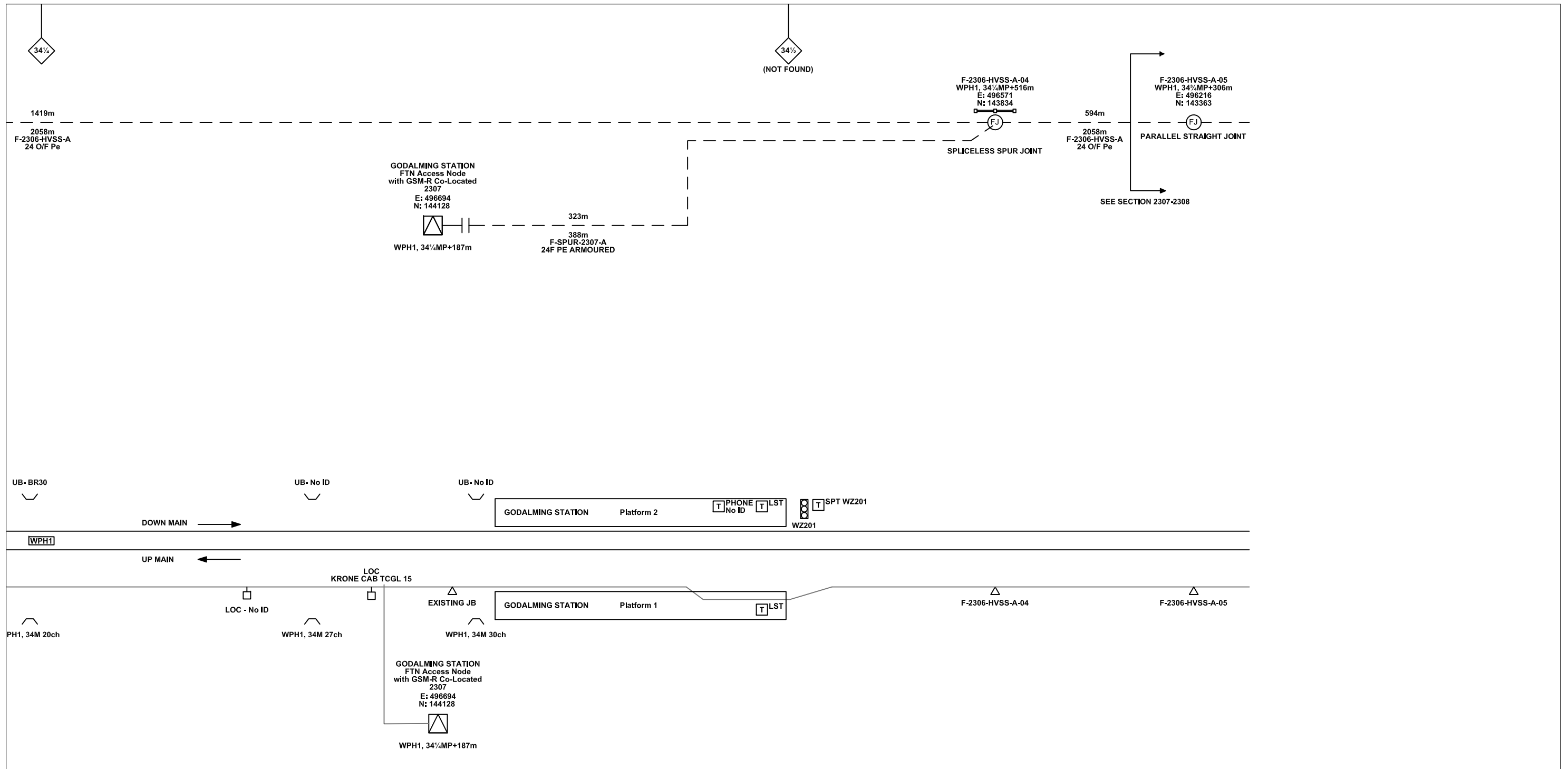
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 847 x 297 Sheet 3

Drawing Number: NTPO\SLD\2306\2307\001

Sheet: 6 of 7

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 — Gas Line
Cabinet with Regenerator and Verts	Fibre Joint	Copper Cable	Electrical Control Room	Core Node with GSM-R Colocated	Copper Joint Routeworks	Underbridge	VAP Vehicle Access Point	Mile Post	Gantry	HV — HV — HV — HV Cable
523m Cable Description Copper	Screening Conductor Joint with/without Earth	Fibre Cable	Manhole	FTN Access Node	Cabinet Routeworks		PAP Pedestrian Access Point	Platform	SEW — SEW — SEW — Sewer	LV — LV — LV — LV Cable
540m C-DIDC-RGAC-A 30PR/0.63mm	1988m Cable Description Fibre	Screening Conductor	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Buffer Stop	Telephone	v — v — v — Water
2034m F-DIDC-RGAC-A 24 Optic Fibre	484m Cable Description Screening Conductor	492m Cable Description Fibre	Sheath Gap Copper							Cable Pull
218435-517828/314821-519242 150sq. mm 19/3.25mm										AC Stanchion

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	30/09/2010	Drawing was previously NTPOSLD23062307001A. Redrawn for as built purposes.	MT	RP	AA
C	15/08/2012	Stage 2 As Built	JAG	MG	JH

Contractor(s)

Status: **As-built**

Scale(s): NTS

ELR & Mileage: WPH1

Designed	Michal Taraj	Sign.	Date	30/09/2010
Drawn	Michal Taraj	Sign.	Date	30/09/2010
Checked	Rashmi Patel	Sign.	Date	30/09/2010
Approved	Ajaz Ahmed	Sign.	Date	30/09/2010
Project	FTN / GSM-R Project Stage 2			
Drawing Title	Shalford Junction (2306) Godalming Station (2307) via FNCA			

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

Alternative Reference: See Layout Tab 847 x 297 Sheet 4

Drawing Number: NTPO\SLD\2306\2307\001

Sheet: 7 of 7

Revision: C