

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
	Cabinet with Regenerator and Verts		Fibre Joint		Copper Cable		Electrical Control Room		Core Node with GSM-R Colocated		Copper Joint Routeworks		Tunnel
	523m Cable Description		Screening Conductor Joint with/without Earth		Fibre Cable		Manhole		FTN Access Node		Cabinet Routeworks		Overbridge
	2034m Cable Description		218435-517828/314821-519242 150sq mm 19/3.25mm		Screening Conductor		Mid Length Sheath Gap Fibre		FTN Access Node		Fibre Joint Routeworks		Underbridge
	540m Cable Description		Fibre		Screening Conductor		Sheath Gap Copper		FTN Access Node with GSM-R Colocated		Earth Farm		Platform
	C-DIC-RGAC-A 30PR/0.63mm		F-DIC-RGAC-A 24 Optic Fibre		Cable Description		Buffer Stop		Telephone		Crossing		Gantry
	Cable Description		Cable Description		Cable Description		Cable Description		Cable Description		Cable Description		Cable Description

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	05/01/2011	Drawing was previously NTP\SLD\2302\2322\001A, Redrawn for as built purposes.	MT	RP	SW

McNicholas

Contractor(s)

As-built

ELR & Mileage
BML1 & PAA1

Designed	Michal Taraj	Sign.	Date	05/01/2011
Drawn	Michal Taraj	Sign.	Date	05/01/2011
Checked	Rashmi Patel	Sign.	Date	05/01/2011
Approved	Steve Witt	Sign.	Date	05/01/2011

FTN / GSM-R Project

Drawing Title: **Deepcut Cutting (2302) Brookwood (2322)**

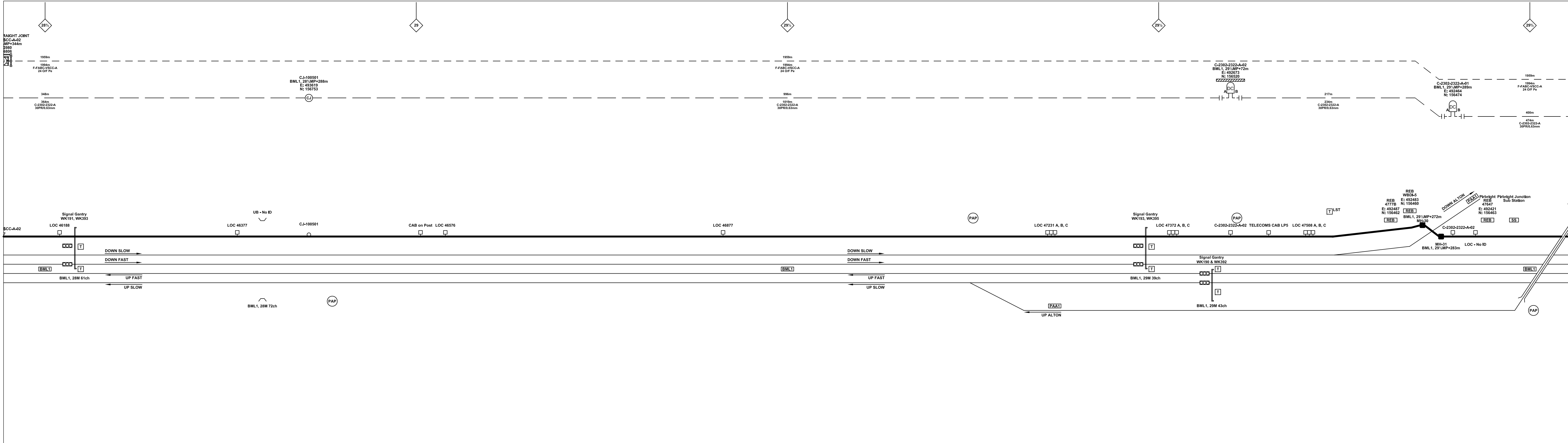
Network Rail

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

Alternative Reference: See Layout Tab A3 Sheets 1 and 2

Drawing Number: NTP\SLD\2302\2322\001

Sheet: 1 of 3
Revision: B



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
	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
	523m Cable Description		Screening Conductor Joint with/without Earth		Fibre Cable		Mid Length Sheath Gap Fibre		FTN Access Node		Cabinet Routeworks		Sheath Gap Copper		Tunnel		Pedestrian Access Point		Platform
	540m Cable Description		2034m Cable Description		484m Cable Description		492m Cable Description		FTN Access Node with GSM-R Colocated		Fibre Joint Routeworks		Earth Farm		Buffer Stop		Telephone		Crossing
	C-DIC-RGAC-A		F-DIC-RGAC-A		218435-517828/314821-519242		150sq mm 19/3.25mm		AC Stanchion		Gas Line		HV Cable		LV Cable		Sewer		Telecoms
	30PR/0.63mm		24 Optic Fibre		1988m Cable Description		492m Cable Description		Water		Gas		HV		LV		Sewer		Telecoms

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr	Status
B	05/01/2011	Drawing was previously NTP/OSL/D23022322001A, Redrawn for as built purposes.	MT	RP	SW	As-built

Contractor(s)

Scale(s)
NTS

ELR & Mileage
BML1 & PAA1

Designed	Michal Taraj	Sign.	Date	05/01/2011
Drawn	Michal Taraj	Sign.	Date	05/01/2011
Checked	Rashmi Patel	Sign.	Date	05/01/2011
Approved	Steve Witt	Sign.	Date	05/01/2011

Project: FTN / GSM-R Project

Drawing Title: Deepcut Cutting (2302) Brookwood (2322)

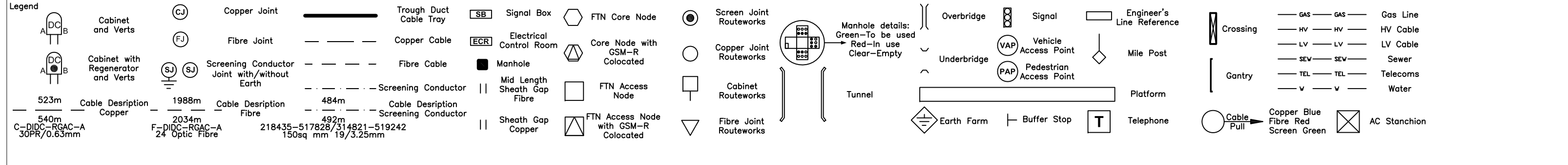
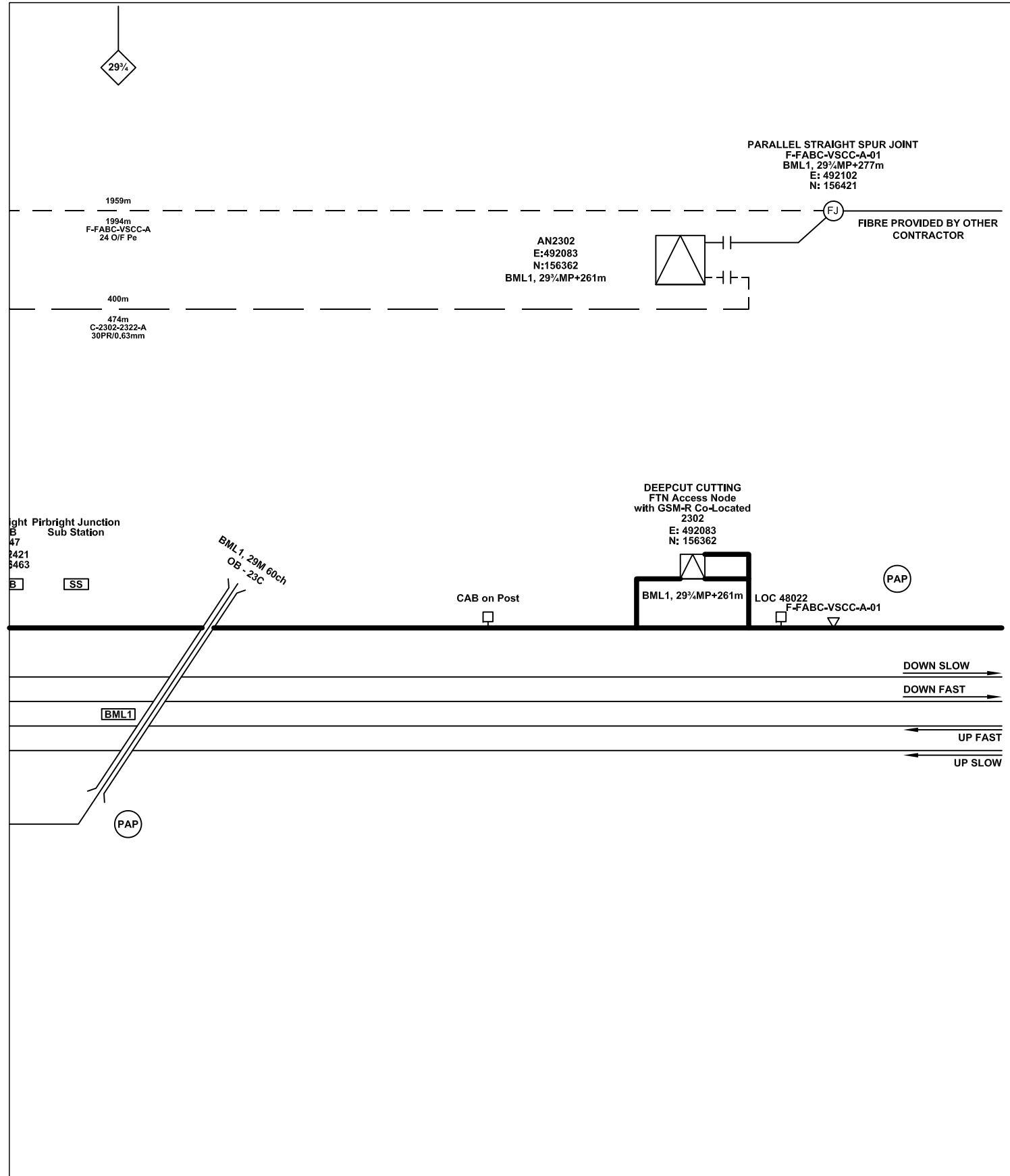
FTN/GSM-R Project
Tournament House
Passington
London
W2 1HA

Alternative Reference: See Layout Tab A3 Sheets 3 and 4

Drawing Number: NTP/OSL/D23022322/001

Revision: B

Sheet: 2 of 3



Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr	Status
B	05/01/2011	Drawing was previously NTP\OSLD\23022322\001A, Redrawn for as built purposes.	MT	RP	SW	As-built

Contractor(s)

Scale(s): NTS

ELR & Mileage: BML1 & PAA1

Designed	Michal Taraj	Sign.	Date	05/01/2011
Drawn	Michal Taraj	Sign.	Date	05/01/2011
Checked	Rashmi Patel	Sign.	Date	05/01/2011
Approved	Steve Witt	Sign.	Date	05/01/2011

Project: FTN / GSM-R Project

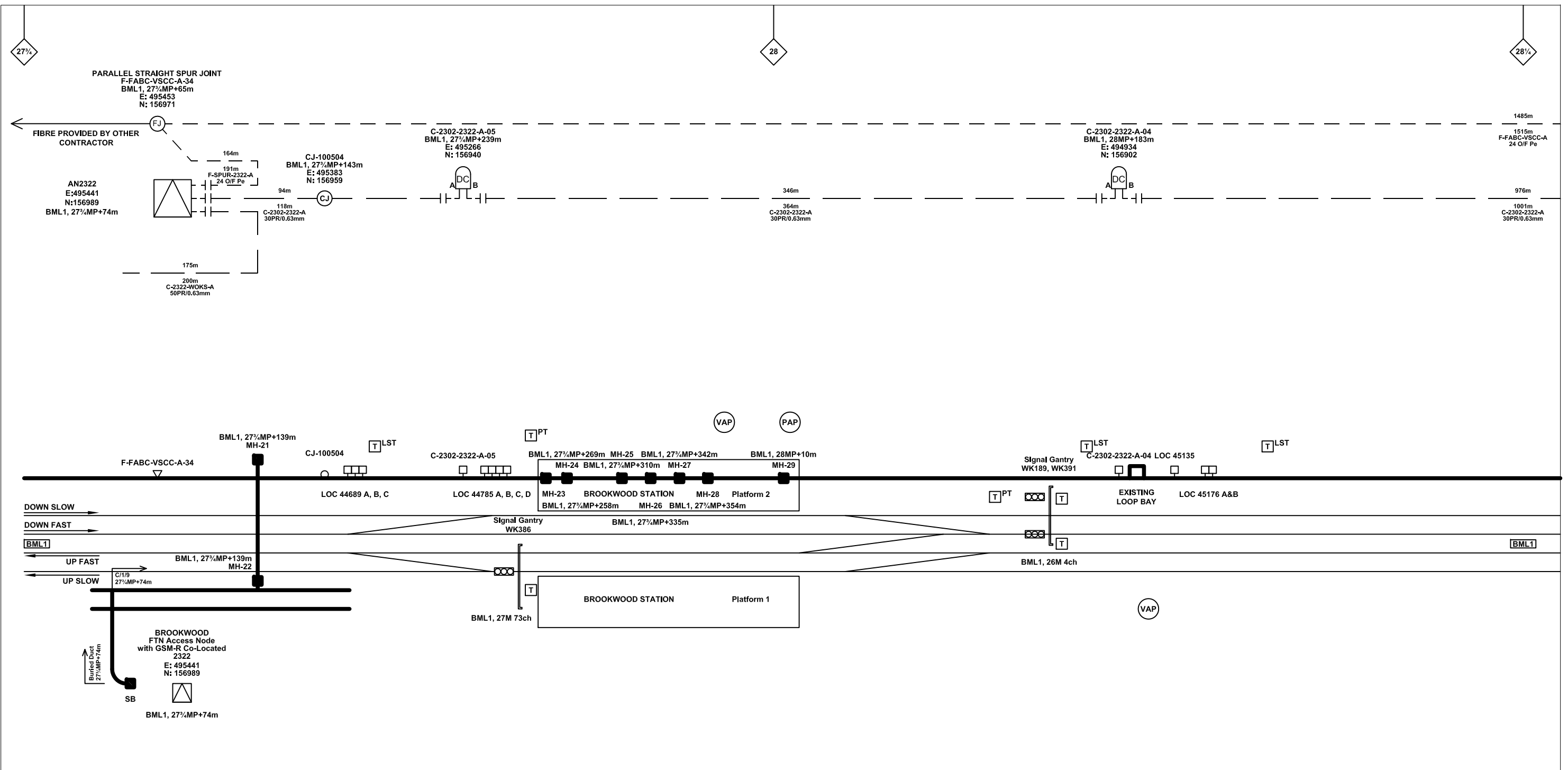
Drawing Title: Deepcut Cutting (2302) Brookwood (2322)

Alternative Reference: See Layout Tab A3 Sheet 5

Drawing Number: NTP\OSLD\2302\2322\001

Revision: B

Sheet: 3 of 3



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		Copper Cable		Electrical Control Room		Core Node with GSM-R Colocated		Copper Joint Routeworks		Underbridge		Vehicle Access Point		Mile Post		Gantry		HV	HV Cable		
	Screening Conductor Joint with/without Earth		Screening Conductor		Fibre Cable		Manhole		FTN Access Node		Cabinet Routeworks		Tunnel		Pedestrian Access Point		Platform		SEW	Sewer		TEL	Telecoms	
	Cable Description Copper		Cable Description Fibre		Cable Description Screening Conductor		Mid Length Sheath Gap Fibre		FTN Access Node with GSM-R Colocated		Fibre Joint Routeworks		Earth Farm		Buffer Stop		Telephone		Cable Pull		v	Water		AC Stanchion

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	05/01/2011	Drawing was previously NTPOSLD23022322001A. Redrawn for as built purposes.	MT	RP	SW

Contractor(s)

Status: **As-built**

Scale(s): NTS

ELR & Mileage: BML1 & PAA1

Designed	Michal Taraj	Sign.	Date	05/01/2011
Drawn	Michal Taraj	Sign.	Date	05/01/2011
Checked	Rashmi Patel	Sign.	Date	05/01/2011
Approved	Steve Witt	Sign.	Date	05/01/2011
Project	FTN / GSM-R Project			
Drawing Title	Deepcut Cutting (2302) Brookwood (2322)			

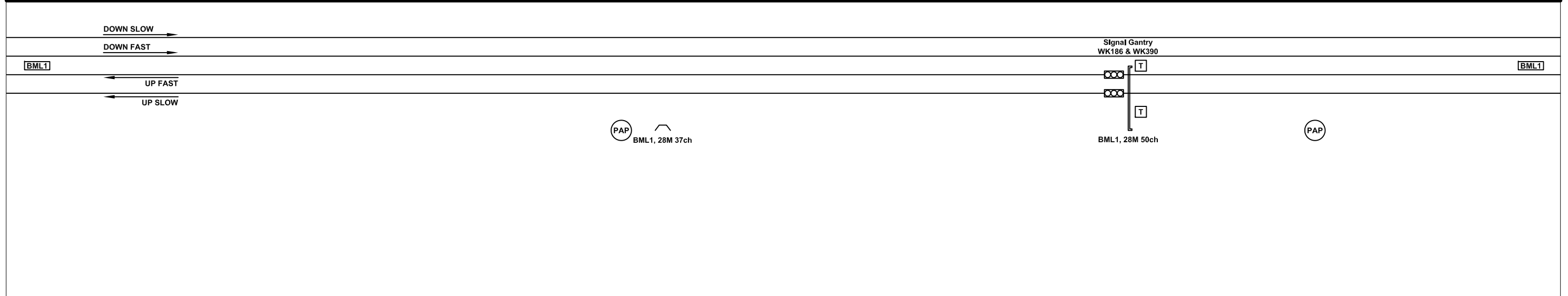
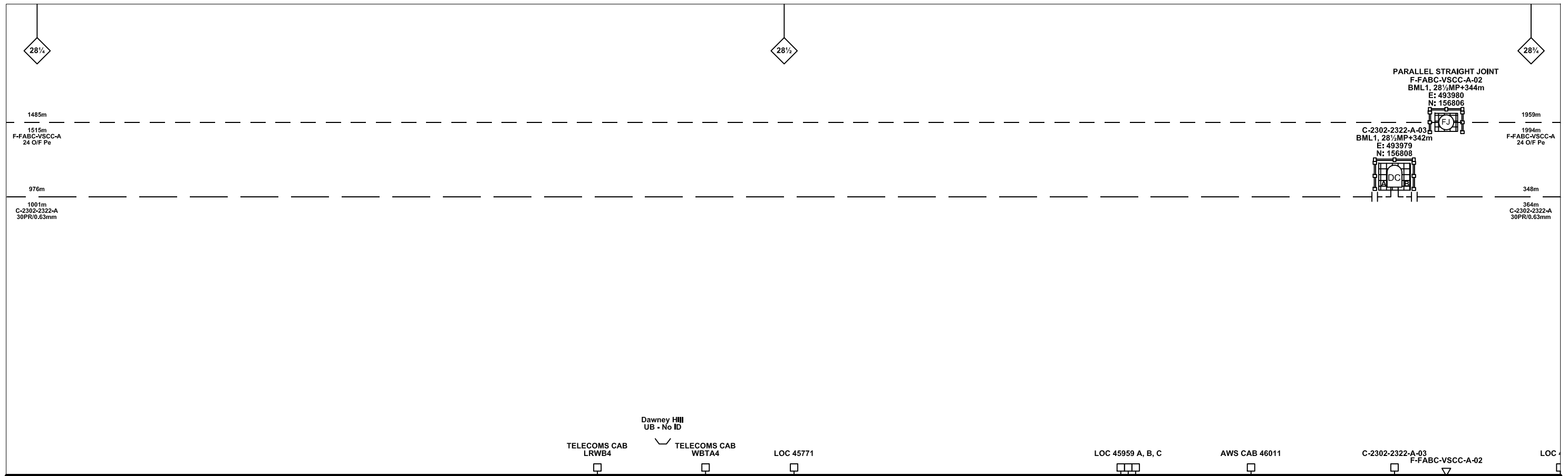
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 1

Drawing Number: NTPO\SLD\2302\2322\001

Sheet: 1 of 5

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	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	Manhole details: Green-To be used, Red-In use, Clear-Empty	Pedestrian Access Point	Platform	Sewer	LV Cable
Cable Description	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Sheath Gap Copper	Fibre Joint Routeworks	Tunnel	Earth Farm	Buffer Stop	Telephone	Water	AC Stanchion

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	05/01/2011	Drawing was previously NTPOSLD23022322001A. Redrawn for as built purposes.	MT	RP	SW

Contractor(s)

Status: **As-built**

Scale(s): NTS

ELR & Mileage: BML1 & PAA1

Designed	Michal Taraj	Sign.	Date	05/01/2011
Drawn	Michal Taraj	Sign.	Date	05/01/2011
Checked	Rashmi Patel	Sign.	Date	05/01/2011
Approved	Steve Witt	Sign.	Date	05/01/2011
Project	FTN / GSM-R Project			
Drawing Title	Deepcut Cutting (2302) Brookwood (2322)			

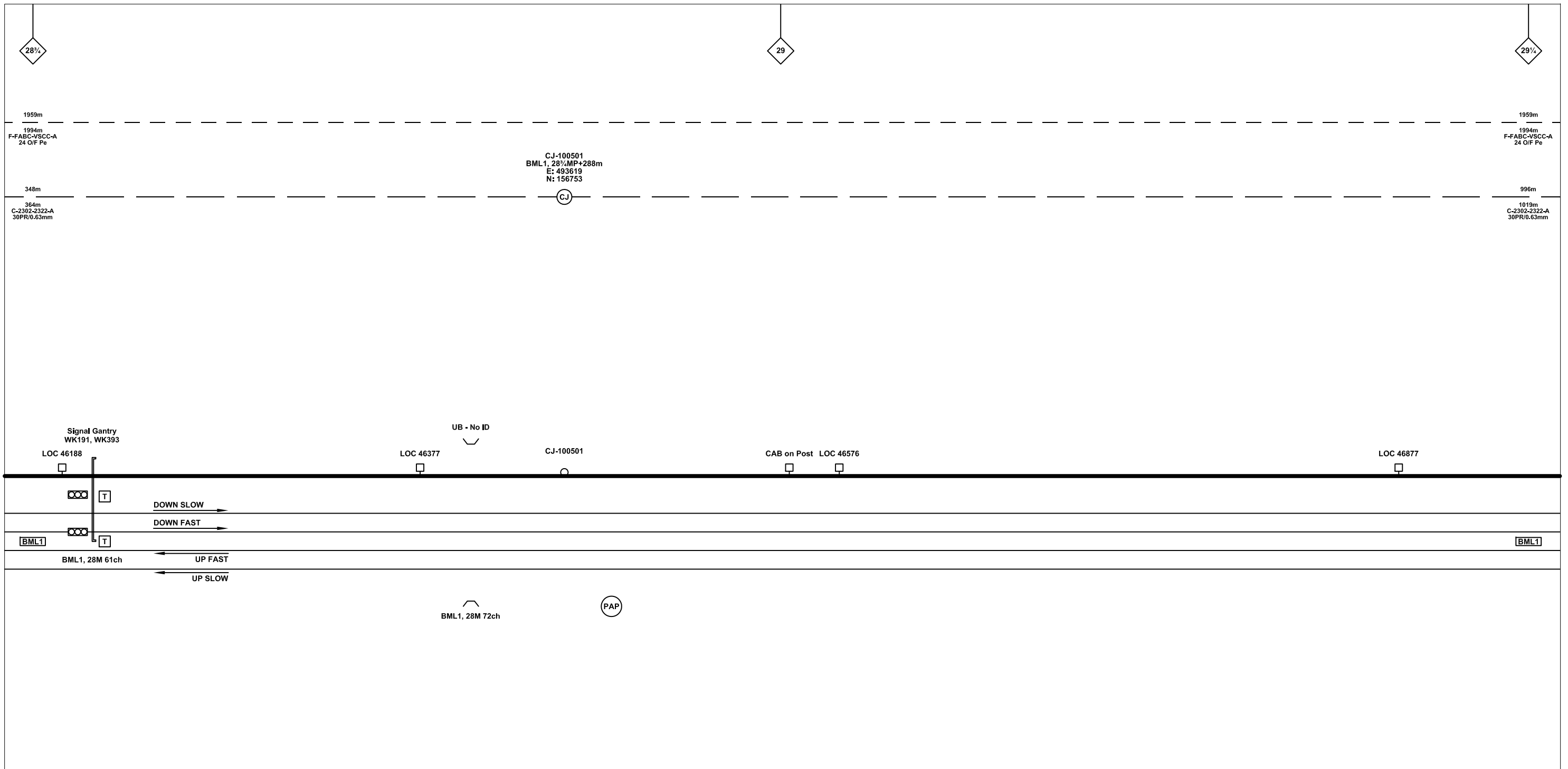
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 1

Drawing Number: NTPO\SLD\2302\2322\001

Sheet: 2 of 5

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	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	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	Cabinet Routeworks	Manhole details: Green-To be used, Red-In use, Clear-Empty	Pedestrian Access Point	Platform	SEW	LV	LV	LV Cable
540m C-DIDC-RGAC-A 30PR/0.63mm	Screening Conductor	Cable Description Fibre	Mid Length Sheath Gap Fibre	FTN Access Node with GSM-R Colocated	Fibre Joint Routeworks	Tunnel	Earth Farm	Buffer Stop	Telephone	v	v	Water
2034m F-DIDC-RGAC-A 24 Optic Fibre	Cable Description Copper	Cable Description Fibre	Sheath Gap Copper						Cable Pull	AC Stanchion	AC Stanchion	AC Stanchion

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	05/01/2011	Drawing was previously NTPOSLD23022322001A. Redrawn for as built purposes.	MT	RP	SW

Contractor(s)

Status: **As-built**

Scale(s): NTS

ELR & Mileage: BML1 & PAA1

Designed	Michal Taraj	Sign.	Date	05/01/2011
Drawn	Michal Taraj	Sign.	Date	05/01/2011
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Approved	Steve Witt	Sign.	Date	05/01/2011
Project	FTN / GSM-R Project			
Drawing Title	Deepcut Cutting (2302) Brookwood (2322)			

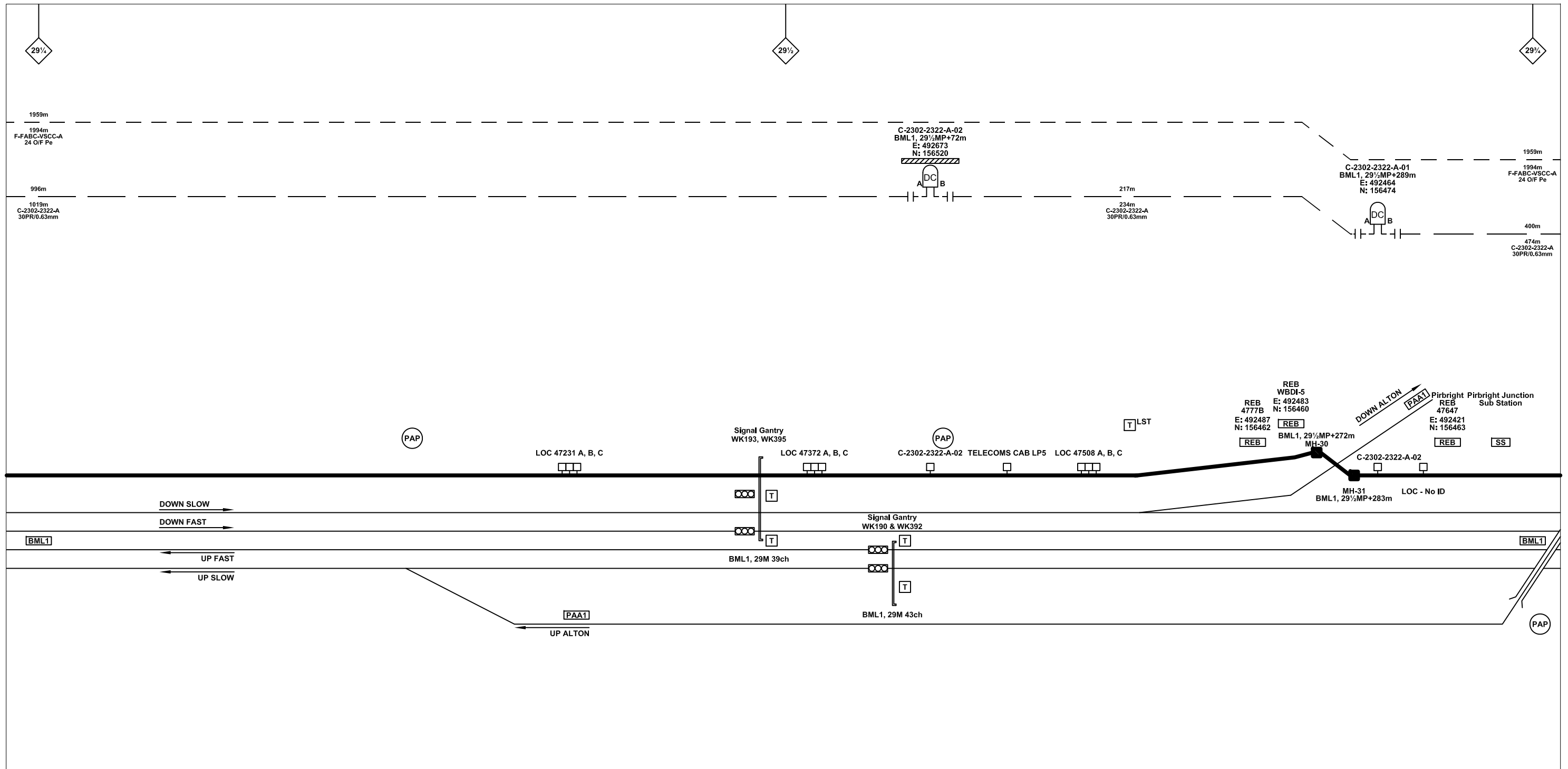
FTN/GSM-R Project
Tournament House
Paddington
London
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Alternative Reference: See Layout Tab 841 x 297 Sheet 2

Drawing Number: NTPO\SLD\2302\2322\001

Sheet: 3 of 5

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	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	LV Cable
523m Cable Description Copper	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	AC Stanchion
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	Sheath Gap Copper							

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

Status: **As-built**

Scale(s): NTS

ELR & Mileage: BML1 & PAA1

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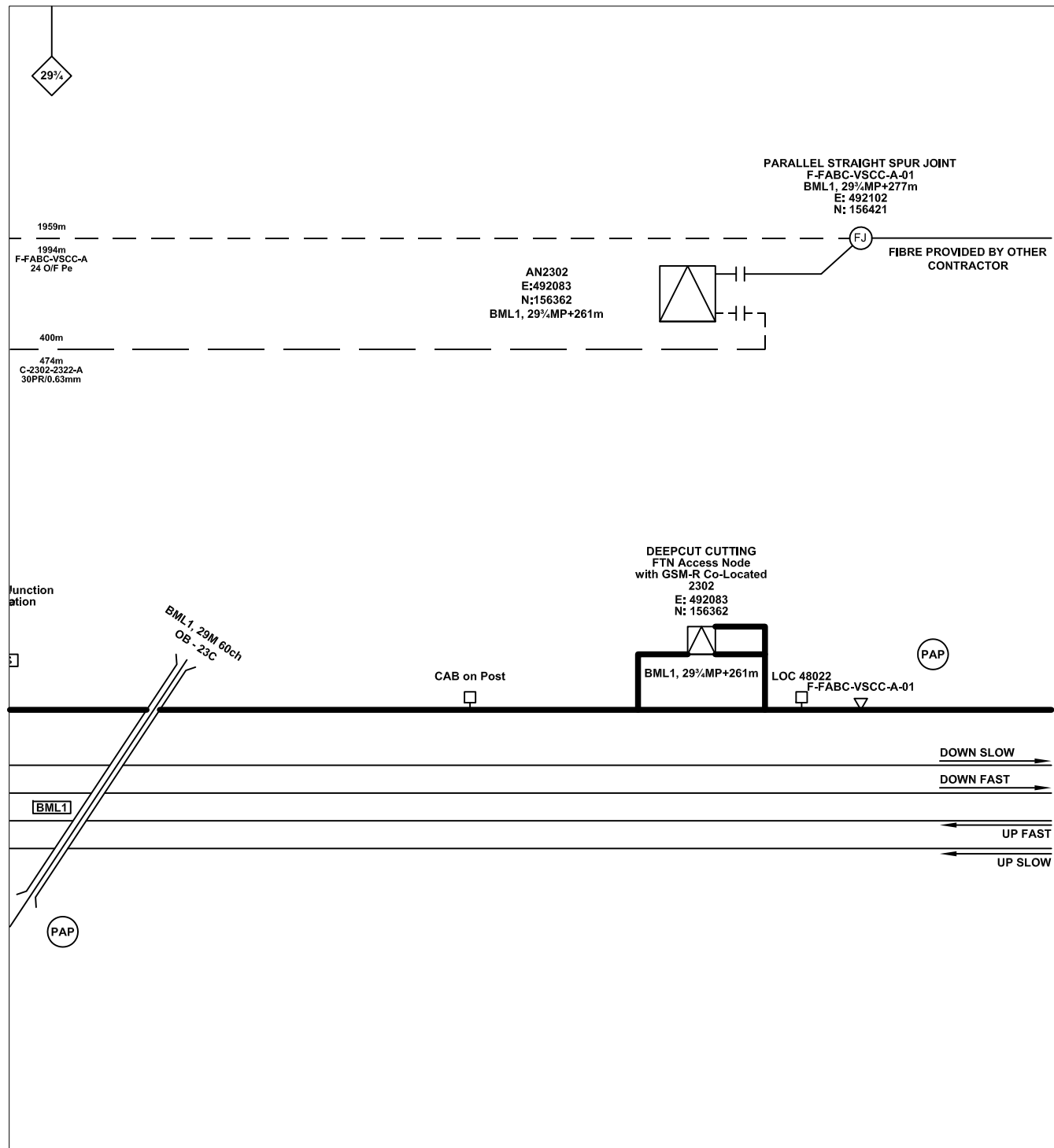
FTN/GSM-R Project
Tournament House
Paddington
London
W2 1HA

Alternative Reference: See Layout Tab 841 x 297 Sheet 2

Drawing Number: NTPO\SLD\2302\2322\001

Sheet: 4 of 5

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

Notes

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
B	05/01/2011	Drawing was previously NTPOSLD23022322001A. Redrawn for as built purposes.	MT	RP	SW

Contractor(s)

Status: **As-built**

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ELR & Mileage: BML1 & PAA1

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Drawn	Michal Taraj	Sign.	Date	05/01/2011
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Tournament House
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Alternative Reference: See Layout Tab 841 x 297 Sheet 3

Sheet: 5 of 5

Drawing Number: NTPO\SLD\2302\2322\001

Revision: B