

Lower Thames Crossing 6.2 Environmental Statement Figures

Figure 7.18 - Representative Viewpoints - Night-time (inc. Winter)

APFP Regulation 5(2)(a) Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 Volume 6

> Planning Inspectorate Scheme Ref: TR010032 Application Document Ref: TR010032/APP/6.2

ght-time (inc. Winter) Views

DATE: October 2022

VERSION: 1.0

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	01 S8 05/08/2022 First Issued BB HP SK			e extent of Northern	tunnel entrance co		- Project Features (Construction)	
R	ev Status Rev. Date Purpose of revision Drawn Chck'd Apprv'd			Approximate exte	ent of Order Limits		- Project Features (Extent of Order Lim	lits)

WINTER REPRESENTATIVE PHOTOGRAPHY

NIGHT-TIME REPRESENTATIVE PHOTOGRAPHY



LOWER THAMES CROSSING 5th Floor Beaufort House

15 St Botolph Street London EC3A 7DT

Project

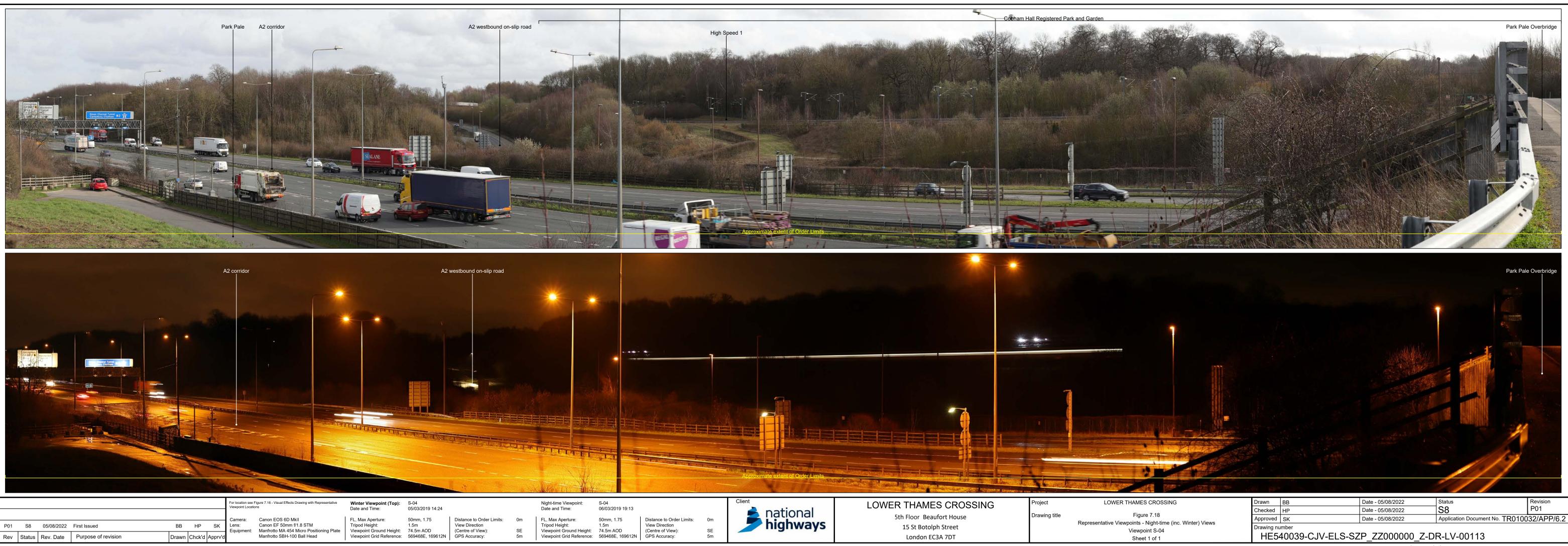
LOWER THAMES CROSSING

Figure 7.18 Figure 7.18 Representative Viewpoints - Night-time (inc. Winter) ۷. Key Sheet Drawing title

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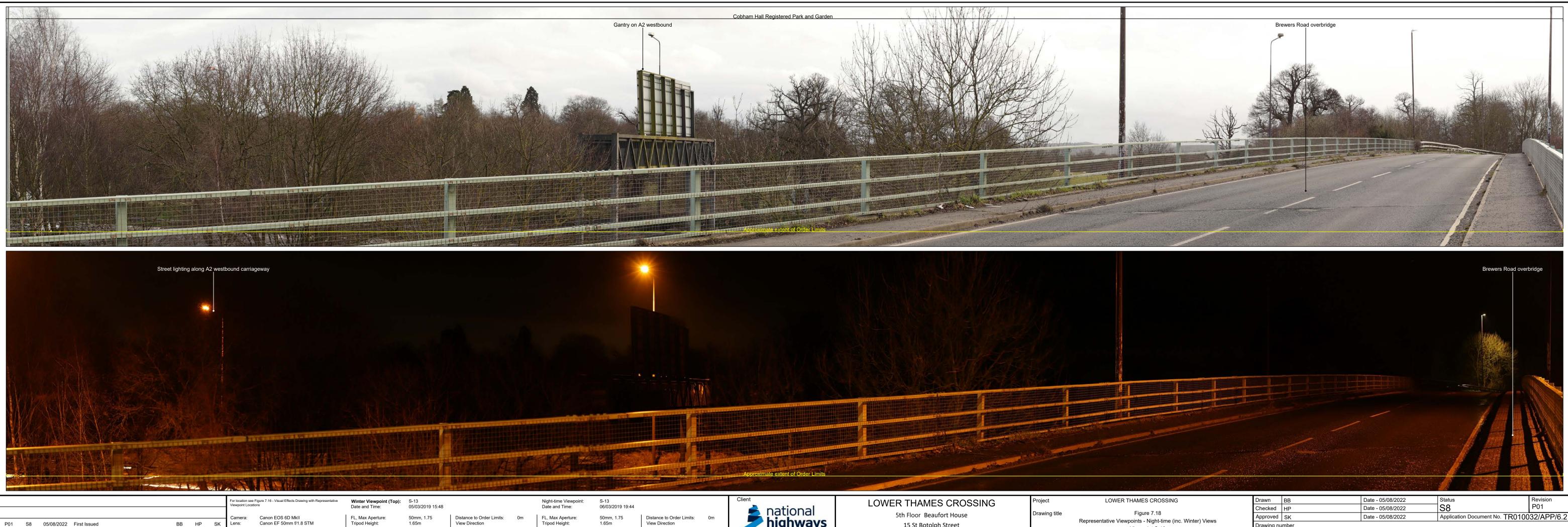
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P01	S8	05/08/2022	First Issued	BB	HP	SK	Camera: Lens:	Canon EOS 6D MkII Canon EF 50mm f/1.8 STM	FL, Max Aperture: Tripod Height:	50mm, 1.75 1.65m	Distance to Order Limits: View Direction	0m	FL, Max Aperture: Tripod Height:
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	Equipment:	Manfrotto MA 454 Micro Positioning Plate Manfrotto SBH-100 Ball Head	Viewpoint Ground Height: Viewpoint Grid Reference:	115.4m AOD 568282E, 169684N	(Centre of View): GPS Accuracy:	SSW 5m	Viewpoint Ground Heig Viewpoint Grid Referer

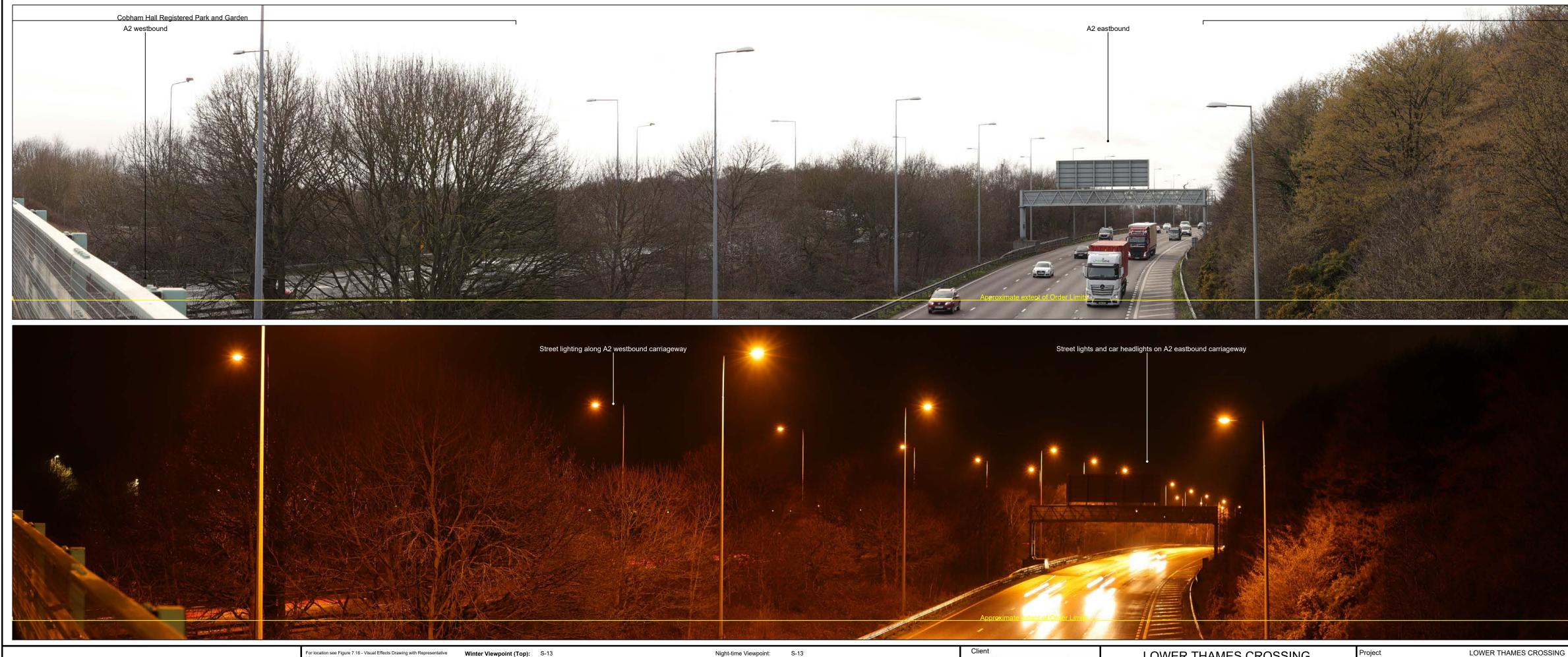
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S-13 06/03/2019 19:44

: 50mm, 1.75 Distance to Order Limits: 1.65m View Direction d Height: 115.4m AOD (Centre of View): eference: 568282E, 169684N GPS Accuracy:



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LOWER THAMES CROSSING

5th Floor Beaufort House

15 St Botolph Street

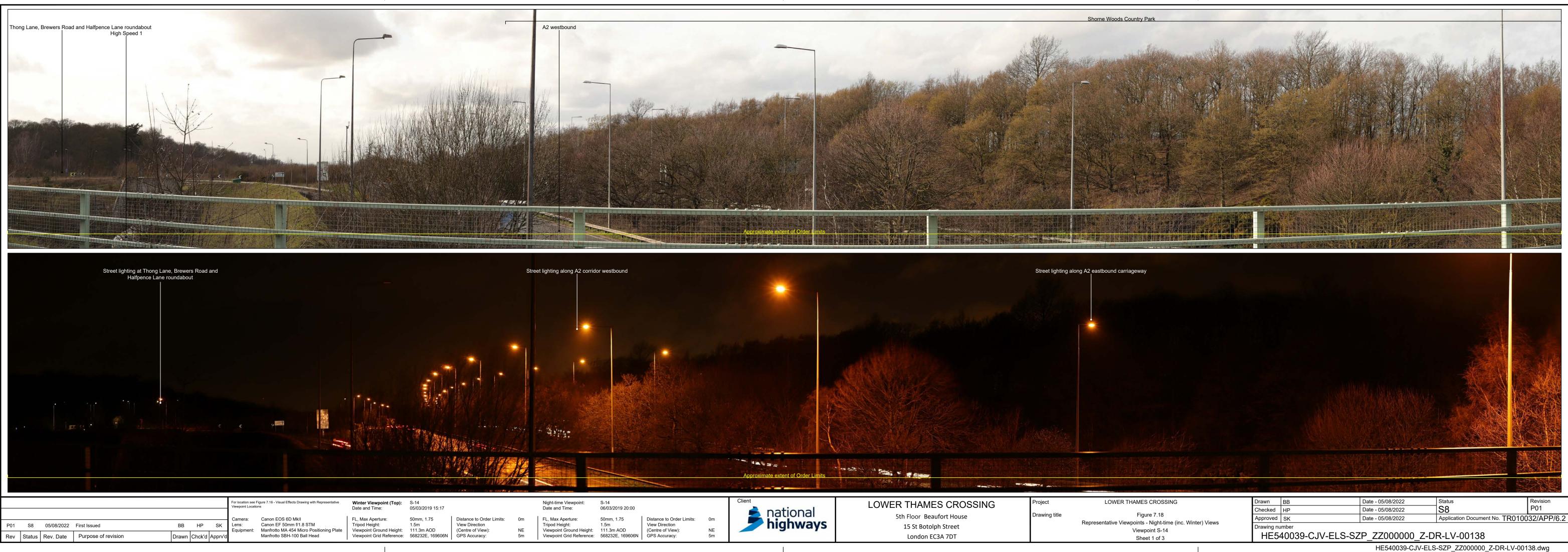
London EC3A 7DT

Drawing title

Figure 7.18 Representative Viewpoints - Night-time (inc. \ Viewpoint S-13 Sheet 3 of 3

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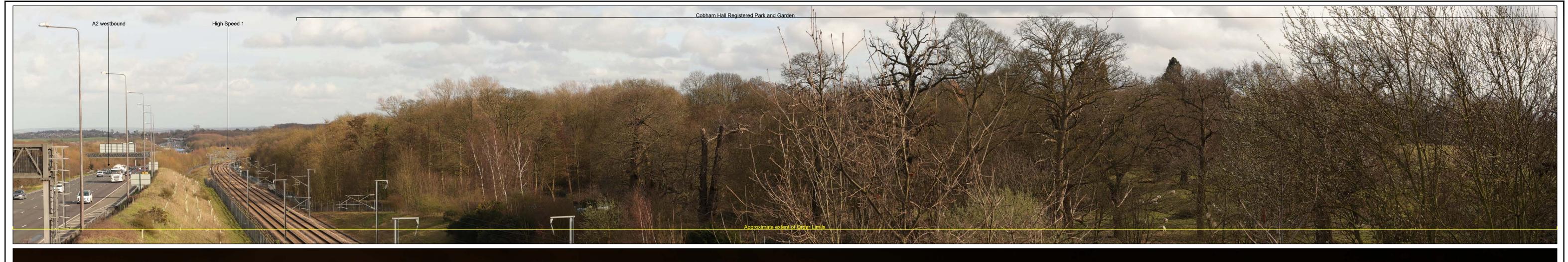
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								For location see Viewpoint Location	Figure 7.16 - Visual Effects Drawing with Representative ons	Winter Viewpoint (Top): Date and Time:	S-14 05/03/2019 15:17			Night-time Viewpoir Date and Time:
P01	S8	05/08/2022	First Issued	В	BB	HP	SK	Camera: Lens: Equipment:	Canon EOS 6D MkII Canon EF 50mm f/1.8 STM Manfrotto MA 454 Micro Positioning Plate	FL, Max Aperture: Tripod Height: Viewpoint Ground Height:	50mm, 1.75 1.5m 111.3m AOD	Distance to Order Limits: View Direction (Centre of View):	0m NE	FL, Max Aperture: Tripod Height: Viewpoint Ground H
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Street lights and car headlights on A2 westbound carriageway

High Speed 1

Skyglow from Strood, Rochester and Chatham

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							For location see l Viewpoint Location	Figure 7.16 - Visual Effects Drawing with Representative ns	Winter Viewpoint (Top): Date and Time:	S-14 05/03/2019 15:17			Night-time Viewpoint: Date and Time:
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd		Manfrotto SBH-100 Ball Head	1 0		GPS Accuracy:	5m	Viewpoint Grid Referen

Approximate extent of Order Limits

S-14 06/03/2019 20:00

 50mm, 1.75
 Distance to Order Limits:

 1.5m
 View Direction

 leight:
 111.3m AOD
 (Centre of View):

 rence:
 568232E, 169606N
 GPS Accuracy:



0m

NE

LOWER THAMES CROSSING 5th Floor Beaufort House

15 St Botolph Street

London EC3A 7DT

Project

LOWER THAMES CROSSING

Drawing title

Figure 7.18 Representative Viewpoints - Night-time (inc. Wint Viewpoint S-14 Sheet 3 of 3

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Viewpoint Locations Date and Time: 04/03/2019 13:20 P01 S8 05/08/2022 First Issued BB HP SK Rev Status Rev. Date Purpose of revision Drawn Chck'd Apprv'd	FL, Max Aperture:



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Approximate extent of Order Limits

Approximate extent of A2 compound

Project

S-16 06/03/2019 20:39

158

 50mm, 1.75
 Distance to Order Limits:

 1.5m
 View Direction

 leight:
 100.1m AOD
 (Centre of View):

 rence:
 567740E, 170495N
 GPS Accuracy:



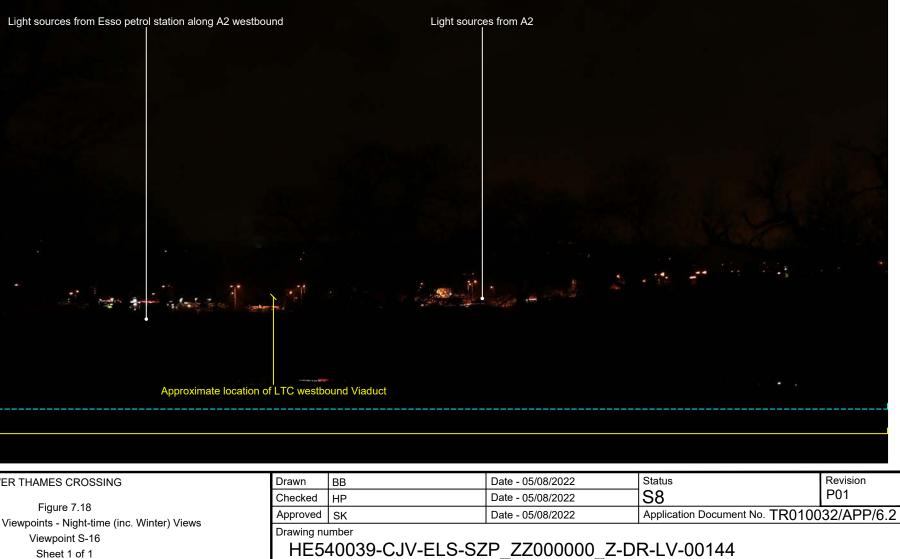
LOWER THAMES CROSSING

LOWER THAMES CROSSING

5th Floor Beaufort House 15 St Botolph Street London EC3A 7DT

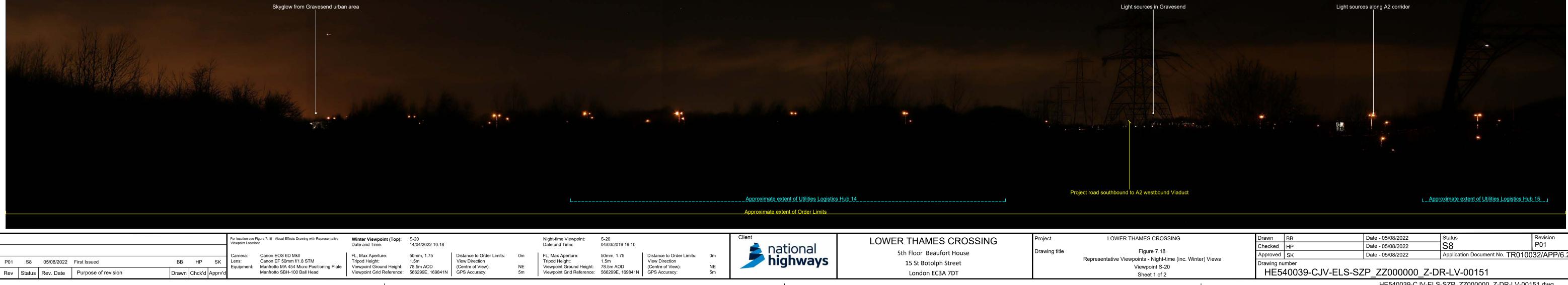
Drawing title

Figure 7.18 Representative Viewpoints - Night-time (inc. Winter) Views Viewpoint S-16 Sheet 1 of 1



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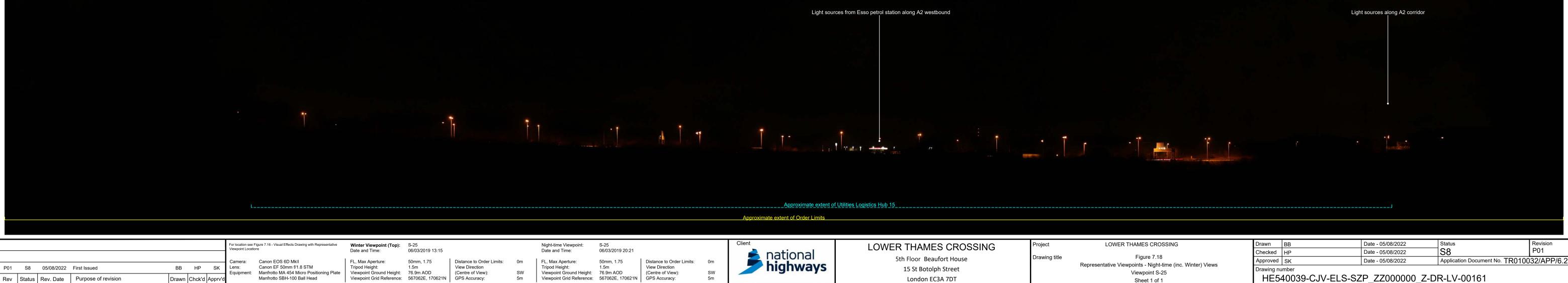


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P01	S8	05/08/2022	First Issued	BB	HP	SK	Camera: Lens: Equipment:	Canon EOS 6D MkII Canon EF 50mm f/1.8 STM Manfrotto MA 454 Micro Positioning Plate	FL, Max Aperture: Tripod Height: Viewpoint Ground Height:	50mm, 1.75 1.5m 78.5m AOD	Distance to Order Limits: View Direction (Centre of View):	0m NE	FL, Max Aperture: Tripod Height: Viewpoint Ground Height
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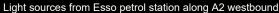


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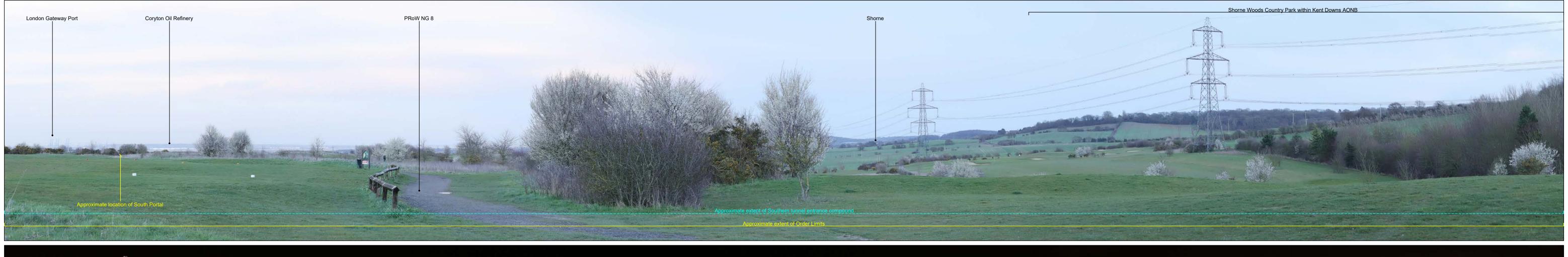


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Skyglow from Strood, Rochester and Chatham

	Drawn	BB	Date - 05/08/2022	Status	Revision						
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					For location see F Viewpoint Location	Figure 7.16 - Visual Effects Drawing with ns	Representative	Winter Viewpoint (Top): Date and Time:	S-32 05/04/2022 11:03			Night-time Viewpoint: Date and Time:
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Approximate extent of Utilities Logistics Hub 13

Approximate extent of Southern tunnel entrance compound Approximate extent of Order Limits Date - 05/08/2022 Drawn BB Status <u>S8</u> P01 Checked HP Approved SK Date - 05/08/2022 Figure 7.18 Application Document No. TR010032/APP/6.2 Date - 05/08/2022 Drawing number Viewpoint S-32 HE540039-CJV-ELS-SZP ZZ000000 Z-DR-LV-00176 Sheet 1 of 2 HE540039-CJV-ELS-SZP_ZZ000000_Z-DR-LV-00176.dwg

S-32 04/03/2019 20:00
 50mm, 1.75
 Distance to Order Limits:

 1.5m
 View Direction

 leight:
 72.4m AOD
 (Centre of View):

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 GPS Accuracy:



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LOWER THAMES CROSSING

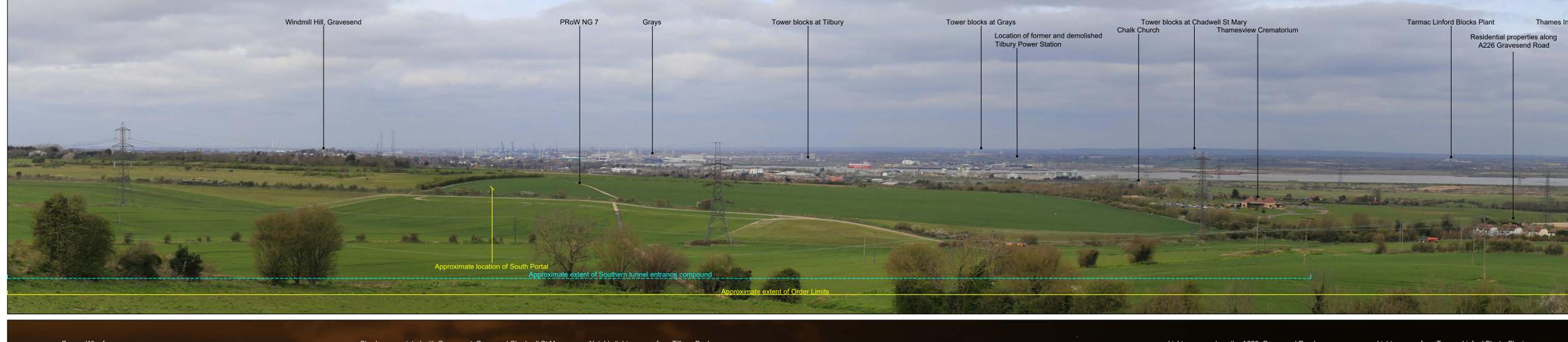
5th Floor Beaufort House 15 St Botolph Street London EC3A 7DT

Drawing title

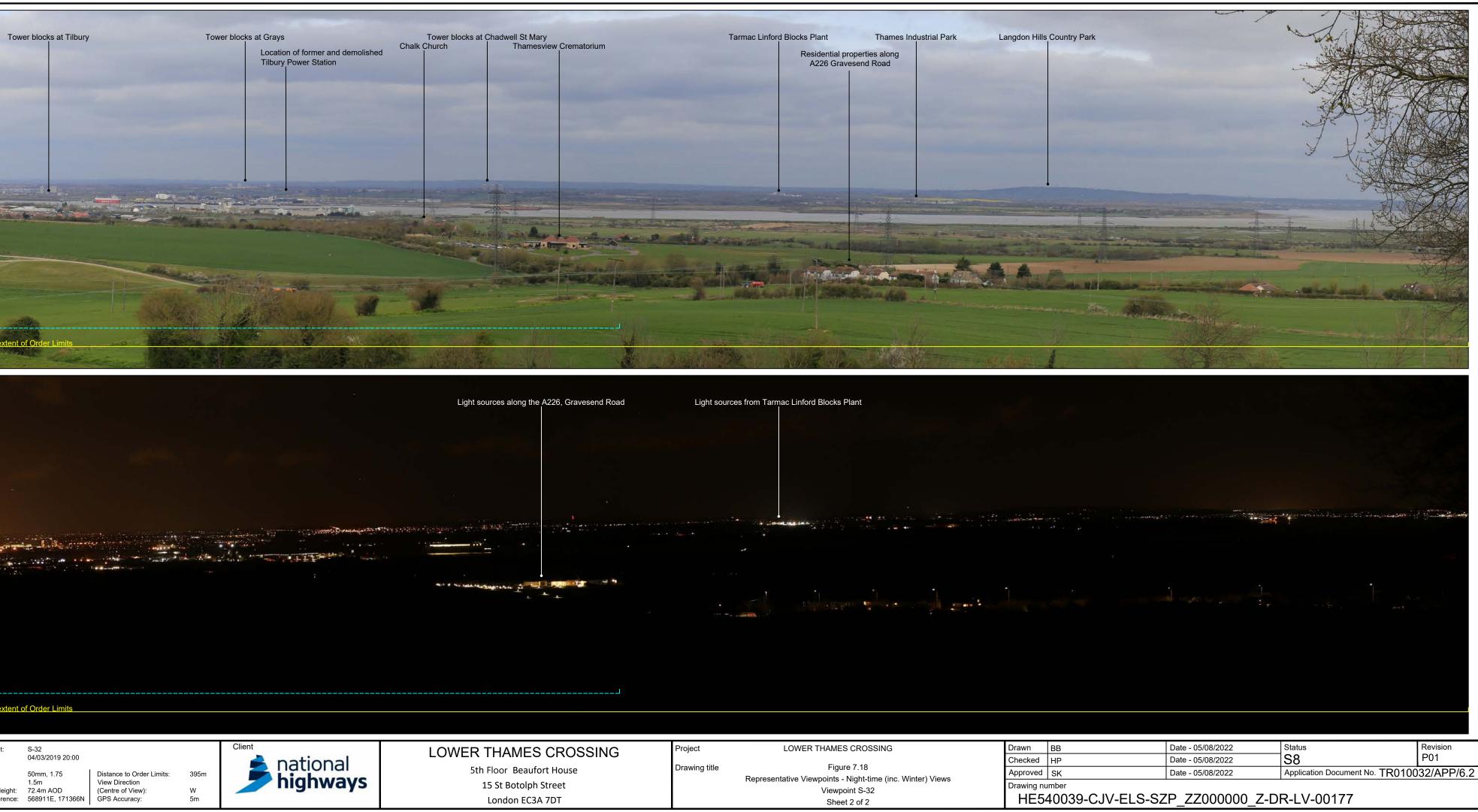
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LOWER THAMES CROSSING Representative Viewpoints - Night-time (inc. Winter) Views

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	Light source from Southern Valley Golf Club c
	i California

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Approximate location of South Portal

Approximate extent of Southern tunnel entrance compound

S-33 04/03/2019 20:20

 50mm, 1.75
 Distance to Order Limits:
 0m

 1.5m
 View Direction
 View Direction

 Height:
 48.4m AOD
 (Centre of View):
 NW

 ference:
 568011E, 172014N
 GPS Accuracy:
 5m



LOWER THAMES CROSSING

15 St Botolph Street

London EC3A 7DT

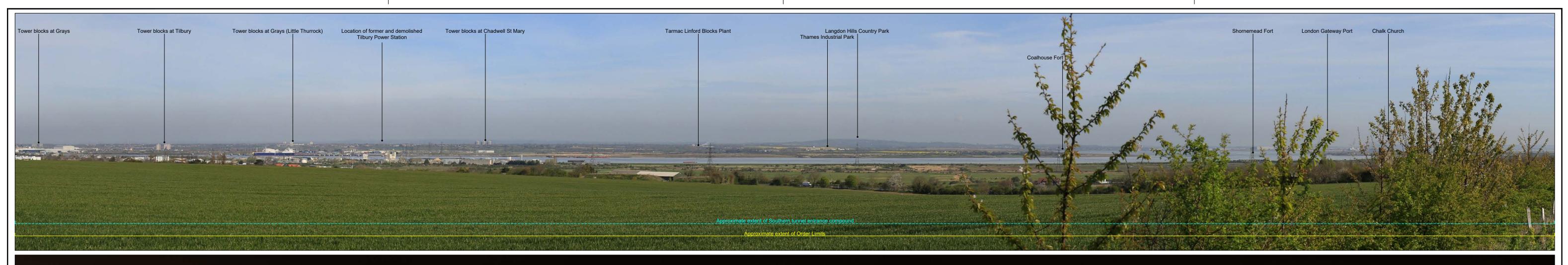
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LOWER THAMES CROSSING

5th Floor Beaufort House Drawing title

Figure 7.18 Representative Viewpoints - Night-time (inc. Win Viewpoint S-33 Sheet 1 of 2

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P01	S8	05/08/2022			IP SK	Equipment:		Viewpoint Ground Height: Viewpoint Grid Reference:	48.4m AOD 568011E, 172014N	(Centre of View): GPS Accuracy:	NW 5m	Viewpoint Ground Height. Viewpoint Ground Height
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Light sources from Tarmac Linford Blocks Plant



S-33 04/03/2019 20:20 50mm, 1.75 Distance to Order Limits: 0m 1.5m View Direction ight: 48.4m AOD (Centre of View): ence: 568011E, 172014N GPS Accuracy:



NW

5m

LOWER THAMES CROSSING 5th Floor Beaufort House

15 St Botolph Street

London EC3A 7DT

Drawing title

LOWER THAMES CROSSING

Figure 7.18 Representative Viewpoints - Night-time (inc. Win Viewpoint S-33 Sheet 2 of 2

Light sources from London Gateway Port

	Drawn	BB	Date - 05/08/2022	Status	Revision						
	Checked	HP	Date - 05/08/2022	S8	P01						
inter) Views	Approved	SK	Date - 05/08/2022	Application Document No. TR0100	32/APP/6.2						
inter) views	Drawing number HE540039-CJV-ELS-SZP ZZ000000 Z-DR-LV-00181										

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Application Document No. TR010032/APP/6.2

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NW 5m

05/08/2022	First Issued	BB	HP	SK	Camera: Lens:	Canon EOS 6D MKII Canon EF 50mm f/1.8 STM Manfrotto MA 454 Micro Positioning Plate	FL, Max Aperture: Tripod Height: Viewpoint Ground Height:	50mm, 1.75 1.5m 2.5m AOD	View Direction (Centre of View):
Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	Equipment:	Manfrotto SBH-100 Ball Head	Viewpoint Grid Reference:	569148E, 174790N	GPS Accuracy:

ale - 05/06/20 P01 national highways Checked HP Approved SK S8 Date - 05/08/2022 Application Document No. TR010032/APP/6.2
 FL, Max Aperture:
 50mm, 1.75
 Distance to Order

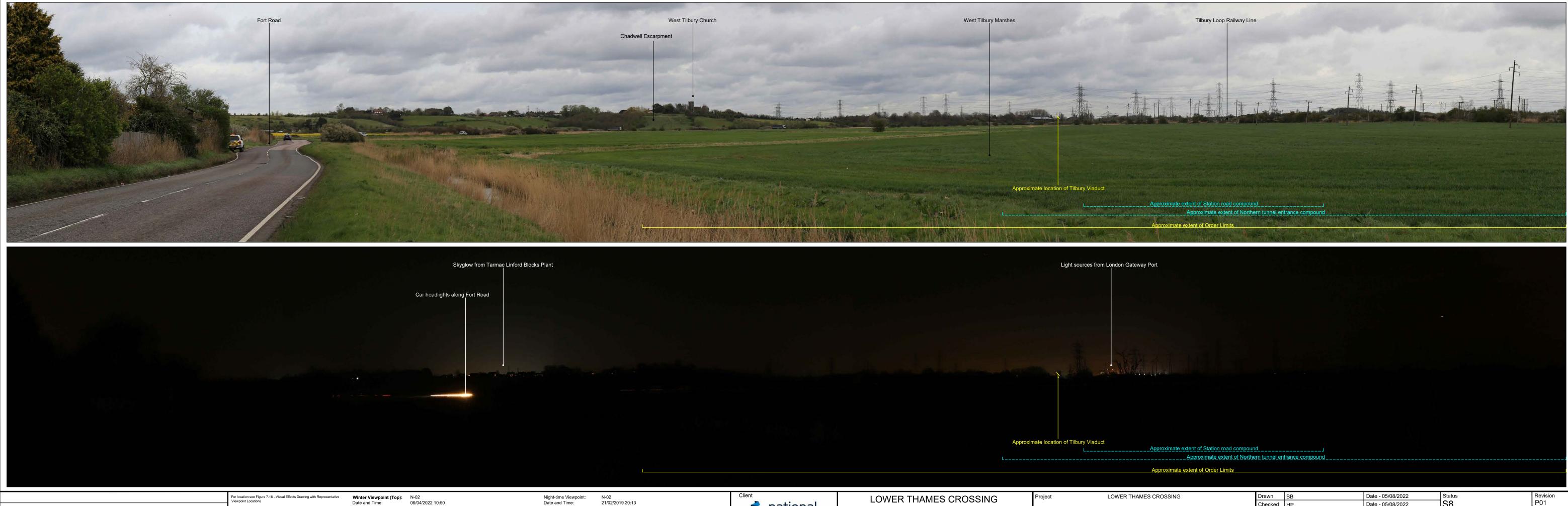
 Tripod Height:
 1.5m
 View Direction

 Viewpoint Ground Height:
 2.5m AOD
 (Centre of View):

 Viewpoint Grid Reference:
 569148E, 174790N
 GPS Accuracy:
 Date - 05/08/2022 Distance to Order Limits: 1210 Representative Viewpoints - Night-time (inc. Winter) Views View Direction (Centre of View): 15 St Botolph Street Drawing number NW Viewpoint S-38a HE540039-CJV-ELS-SZP_ZZ000000_Z-DR-LV-00192 London EC3A 7DT Sheet 2 of 2

	PRoW NS138 & Saxon Shore Way Long Distance Path	
Drawn	Date 05/08/2022 Status	Revision

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Skyglow from Tarmac Linford Blocks Plant
Car headlights along Fort Road

							For location see F Viewpoint Location	igure 7.16 - Visual Effects Drawing with Representative ns	Winter Viewpoint (Top): Date and Time:	N-02 06/04/2022 10:50	N-02 06/04/2022 10:50		
P01	S8	05/08/2022	First Issued	BB	HP	SK	Camera: Lens: Equipment:	Canon EOS 6D MkII Canon EF 50mm f/1.8 STM Manfrotto MA 454 Micro Positioning Plate	FL, Max Aperture: Tripod Height: Viewpoint Ground Height:	50mm, 1.75 1.5m 6.2m AOD	Distance to Order Limits: View Direction (Centre of View):	200m ENE	Date and Time: FL, Max Aperture: Tripod Height: Viewpoint Ground Heig
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd		Manfrotto SBH-100 Ball Head		565385E, 176613N	GPS Accuracy:	5m	Viewpoint Grid Referer

 50mm, 1.75
 Distance to Order Limits:

 1.5m
 View Direction

 Height:
 6.2m AOD
 (Centre of View):

 erence:
 565385E, 176613N
 GPS Accuracy:
 200n ENE 5m



5th Floor Beaufort House 15 St Botolph Street London EC3A 7DT

Figure 7.18 Representative Viewpoints - Night-time (inc. Winter) Views

Drawing title

Viewpoint N-02 Sheet 1 of 2

of Station road compound	
oximate extent of Northern tunnel entrance compound	

 Status
 Revision

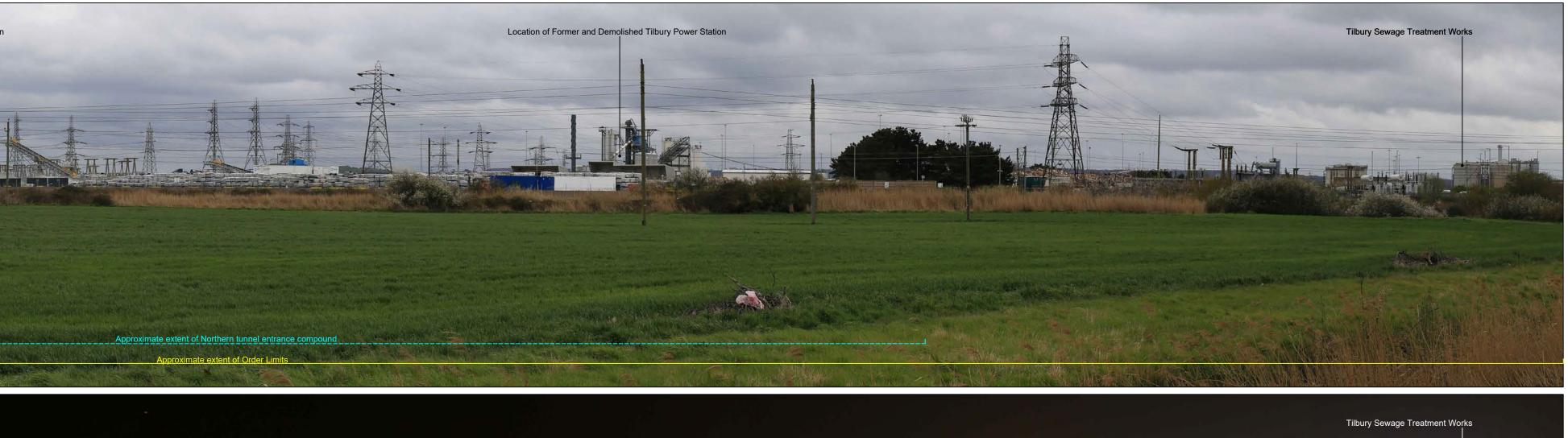
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						For location see F Viewpoint Locatio	igure 7.16 - Visual Effects Drawing with Representative	Winter Viewpoint (Top): Date and Time:	N-02 06/04/2022 10:50			Night-time Viewpoint: Date and Time:
P01 Rev	S8 Status	05/08/2022 Rev. Date	First Issued Purpose of revision	1 I	HP SK Chck'd Apprv'd	Camera: Lens:	Canon EOS 6D MkII Canon EF 50mm f/1.8 STM Manfrotto MA 454 Micro Positioning Plate Manfrotto SBH-100 Ball Head	FL, Max Aperture: Tripod Height: Viewpoint Ground Height: Viewpoint Grid Reference:	50mm, 1.75 1.5m	Distance to Order Limits: View Direction (Centre of View): GPS Accuracy:	200m ENE 5m	Late and Time: FL, Max Aperture: Tripod Height: Viewpoint Ground Heig Viewpoint Grid Referer



Approximate extent of Northern tunnel entrance compound

Approximate extent of Order Limits

N-02 21/02/2019 20:13 50mm, 1.75

 50mm, 1.75
 Distance to Order Limits:
 200m

 1.5m
 View Direction

 leight:
 6.2m AOD
 (Centre of View):
 ENE

 rence:
 565385E, 176613N
 GPS Accuracy:
 5m



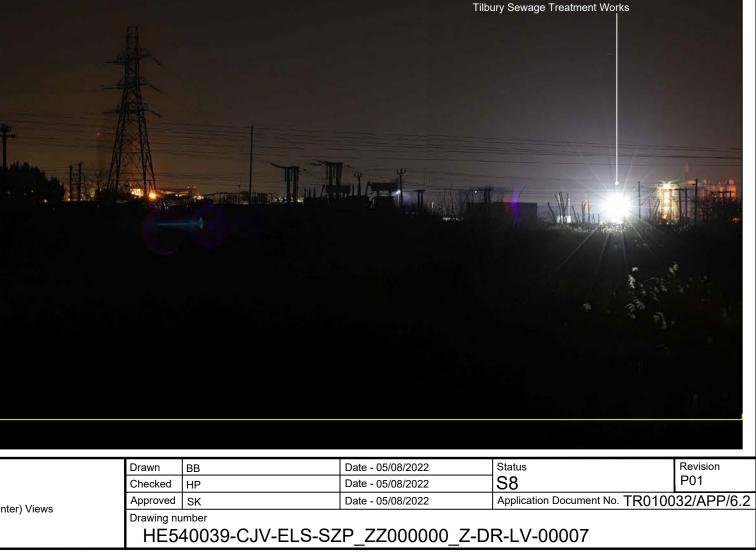
LOWER THAMES CROSSING

5th Floor Beaufort House 15 St Botolph Street London EC3A 7DT Project

Drawing title

LOWER THAMES CROSSING

Figure 7.18 Representative Viewpoints - Night-time (inc. Winter) Views Viewpoint N-02 Sheet 2 of 2

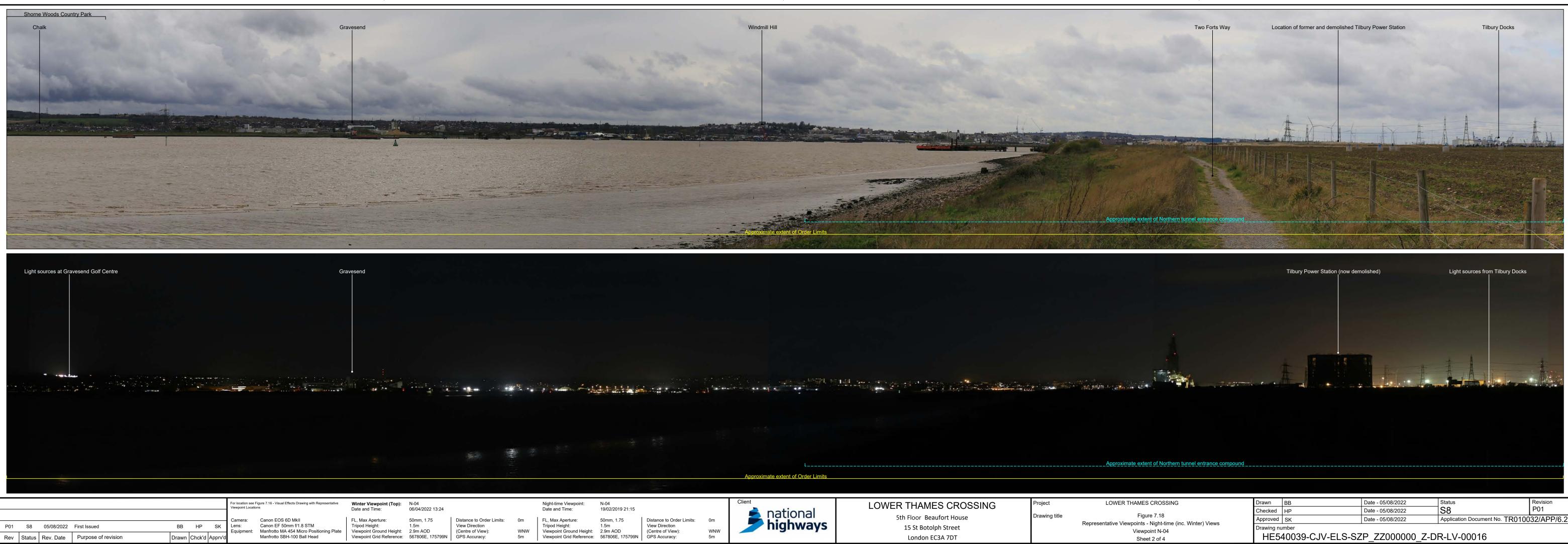


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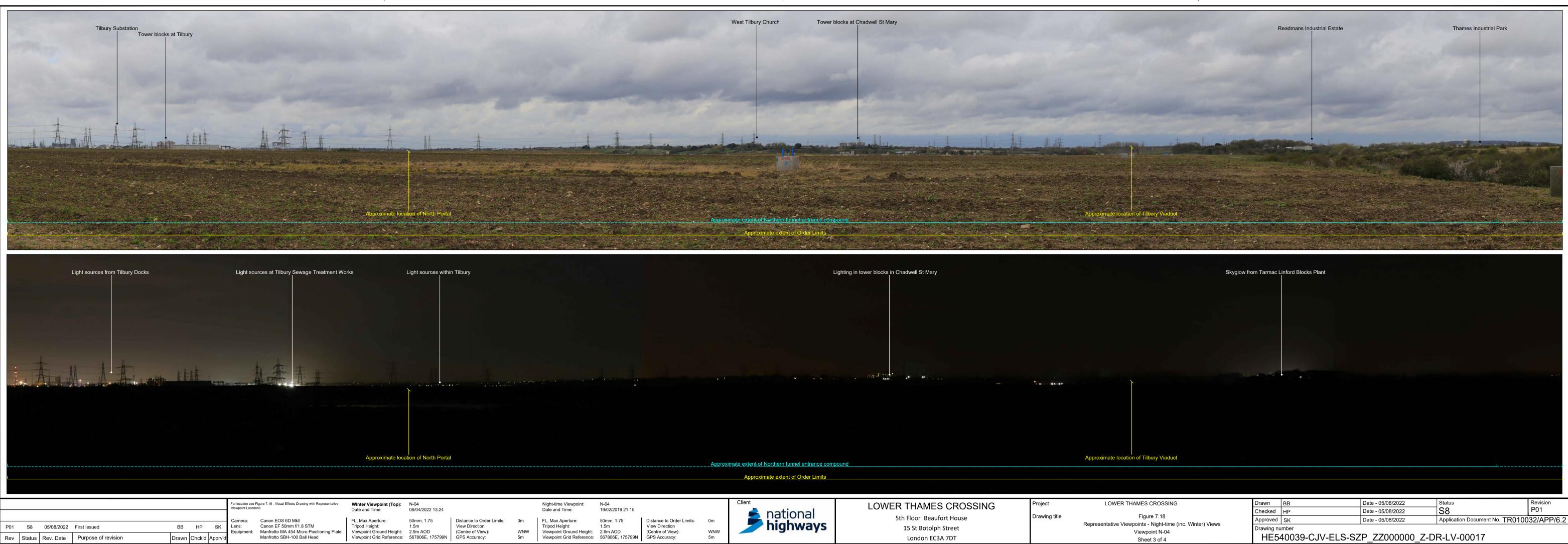
			Light so	ources in Chalk
				1.1.1
				a training and the second s
			ا Approximate locatior	of South Portal
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Drawn Checked Approved	BB HP SK	Date - 05/08/2022 Date - 05/08/2022 Date - 05/08/2022	Status S8 Application Document No. TR	P01

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entrance compound					
				A ANI	
			14 p		+
		Libury Power Station (now de	emolished)	Light sources from Tilbury Docks	

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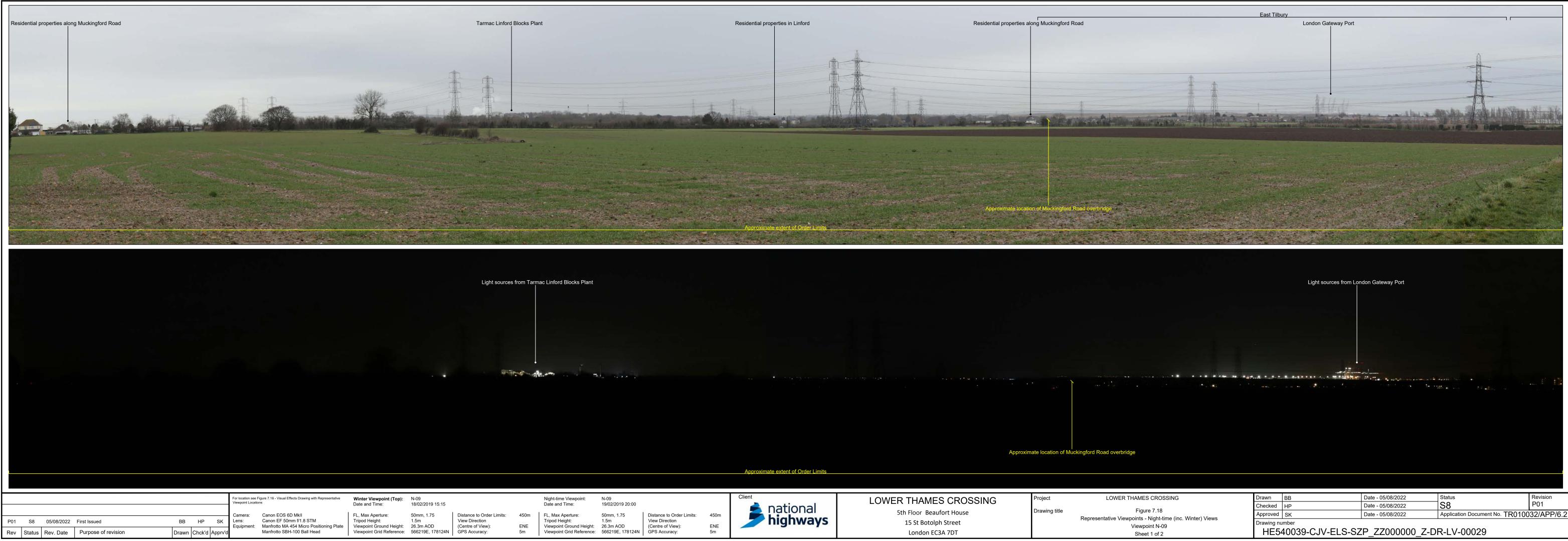


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/inter) Views	Approved	SK	Date - 05/08/2022	Application Document No. TR0100	32/APP/6.2
inter) views	Drawing nu HE54	^{Imber} 40039-CJV-ELS-SZ	P_ZZ000000_Z-D	R-LV-00017	
			HE540039-CJV-ELS	-SZP_ZZ000000_Z-DR-LV-000	17.dwg

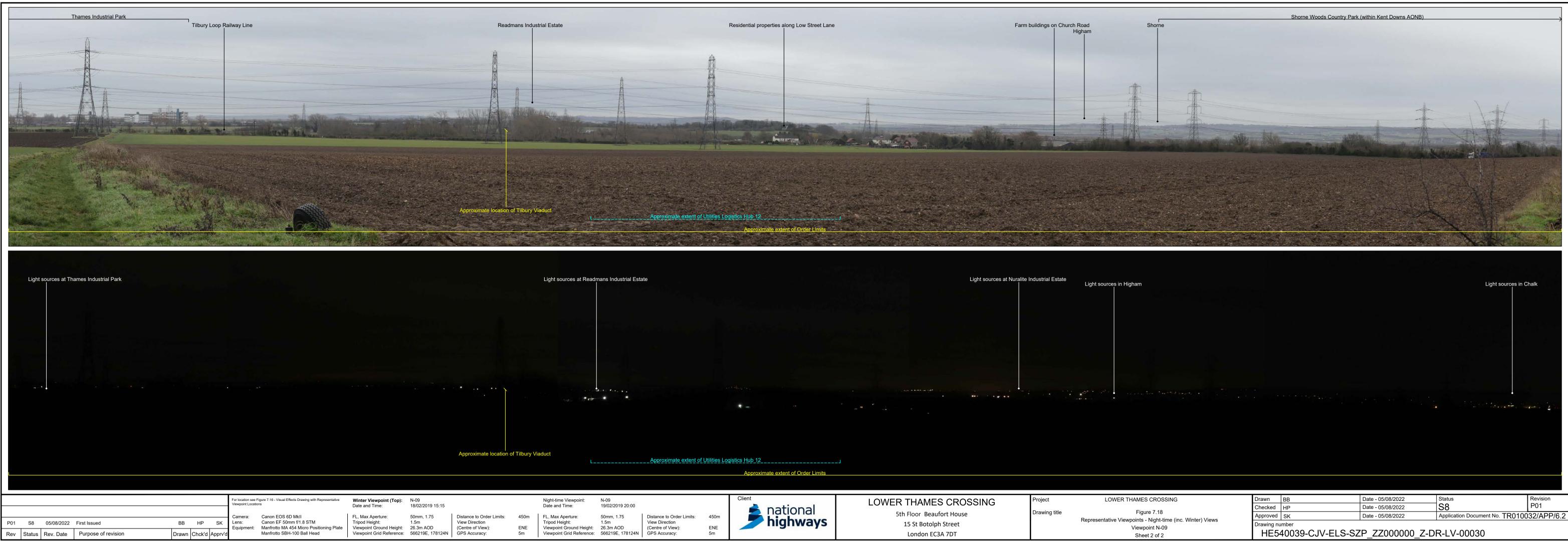
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P01 Rev		First Issued Purpose of revision	 BB HP Drawn Chck'd	SK Apprv'd	Viewpoint Locatio Camera: Lens: Equipment:	Figure 7.16 - Visual Effects Drawin Ons Canon EOS 6D MkII Canon EF 50mm f/1.8 S Manfrotto MA 454 Micro Manfrotto SBH-100 Ball	STM Positioning Plate	Winter Viewpoint (Top): Date and Time: FL, Max Aperture: Tripod Height: Viewpoint Ground Height: Viewpoint Grid Reference:	N-04 06/04/2022 13:24 50mm, 1.75 1.5m 2.9m AOD 567806E, 175799N	Distance to Order Limits: View Direction (Centre of View): GPS Accuracy:	0m WNW 5m	Night-time Viewpoint: Date and Time: FL, Max Aperture: Tripod Height: Viewpoint Ground Heigh Viewpoint Grid Reference







	Drawn	BB	Date - 05/08/2022	Status	Revision
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Vinter) Views	Approved	SK	Date - 05/08/2022	Application Document No. TR	010032/APP/6.2
vinter) views	Drawing nu		-ELS-SZP_ZZ000000_Z-E	DR-LV-00029	
			HE540039-CJV-EL	S-SZP_ZZ000000_Z-DR-L\	/-00029.dwg



	N-09 19/02/2019 20:00 50mm, 1.75 Distance to Order Limits: 450m		Client	LOWER THAMES CROSSING	Project	LOWER THAMES CROSSING	
			450m	national	5th Floor Beaufort House	Drawing title	Figure 7.18 Representative Viewpoints - Night-time (inc. Wir
ght:	1.5m 26.3m AOD	View Direction (Centre of View):	ENE	highways	15 St Botolph Street		Viewpoint N-09
nce:	566219E, 178124N	GPS Accuracy:	5m		London EC3A 7DT		Sheet 2 of 2

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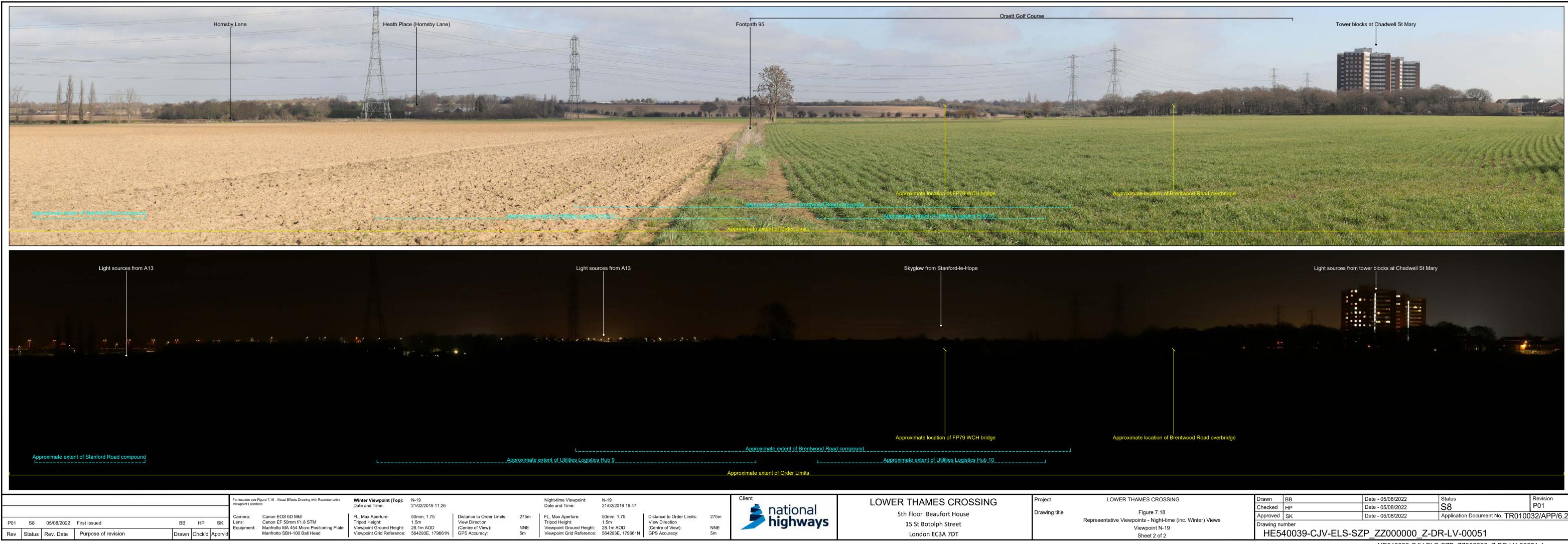








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ources from A13				Skyglow from Stanford-le-Hope		
	A Standards					
						1
				Approximate location of FP79 WCH bridge		Approximate location of Brentwoo
			Approximate extent of Brentwood R		J	
ics Hub 9			L	Approximate extent of Utilities Logistics Hub 10	J	
		A	Approximate extent of Order Limits			
	1					
N-19 21/02/2019 19:47			Client	LOWER THAMES CROSSING	Project	LOWER THAMES CROSSING
50mm, 1.75	Distance to Order Limits:	275m	🚖 national	5th Floor, Regulart House	Drawing title	Figure 7.18
1.5m t: 28.1m AOD	View Direction (Centre of View):	NNE	highways	15 St Botolph Street		Representative Viewpoints - Night-time (inc. W Viewpoint N-19

	Drawn	BB	Date - 05/08/2022	Status	Revision
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	Approved		Date - 05/08/2022	Application Document No. TR0100	32/APP/6.2
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		Skyglow from	South Ockendon							
								L		
				For location see Viewpoint Loca	Figure 7.16 - Visual Effects Drawing with Representative tions	Winter Viewpoint (Top): Date and Time:	N-27 20/02/2019 15:21			Night-time Viewpoint: Date and Time:
P01 Rev	S8 05/08/20 Status Rev. Da	022 First Issued te Purpose of revision	BB HP SK Drawn Chck'd Apprv'd	Camera: Lens: Equipment:	Canon EOS 6D MkII Canon EF 50mm f/1.8 STM Manfrotto MA 454 Micro Positioning Plate Manfrotto SBH-100 Ball Head	FL, Max Aperture: Tripod Height: Viewpoint Ground Height: Viewpoint Grid Reference:	50mm, 1.75 1.5m 20.6m AOD 562184E, 181202N	Distance to Order Limits: View Direction (Centre of View): GPS Accuracy:	0m NNE 5m	FL, Max Aperture: Tripod Height: Viewpoint Ground Heigh Viewpoint Grid Reference







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							Approximal	te location Green La	ane green bridge		
s out											
			:		For location and	ijgurg 7 16 - Visual Effecto Drawing with Personantation	8	te location Green La	ane green bridge		Night time Viewneint
P01	S8	05/08/2022	First Issued	BB HP SK	Viewpoint Locatio Camera: Lens:	igure 7.16 - Visual Effects Drawing with Representative ns Canon EOS 6D MkII Canon EF 50mm f/1.8 STM Manfrotto MA 454 Micro Positioning Plate	Winter Viewpoint (Top): Date and Time: FL, Max Aperture: Tripod Height: Viewpoint Ground Height:	N-27 20/02/2019 15:21 50mm, 1.75 1.5m 20.6m AOD	Distance to Order Limits: View Direction (Centre of View):	0m NNE	Night-time Viewpoint: Date and Time: FL, Max Aperture: Tripod Height: Viewpoint Ground Heigl
Rev	Status	Rev. Date	Purpose of revision	Drawn Chck'd Apprv'd		Manfrotto SBH-100 Ball Head	Viewpoint Grid Reference:		GPS Accuracy:	5m	Viewpoint Grid Referen



1.5m
 NNE
 Viewpoint Ground Height:
 20.6m AOD
 (Centre of View):

 5m
 Viewpoint Grid Reference:
 562184E, 181202N
 GPS Accuracy:



15 St Botolph Street London EC3A 7DT

Viewpoint N-27 Sheet 2 of 2

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ei) views	Drawing number						
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