February 2016

# High Speed Rail (London - West Midlands)

Consolidated Plans and Sections as amended in the House of Commons Select Committee

# PLANS AND SECTIONS | Volume 7 | Standing orders 33 and 50(2)

#### Secretary of State for Transport

Department for Transport **Great Minster House** 33 Horseferry Road London SW1P 4DR

Minerva House 5 Montague Close London SE1 9BB (Parliamentary Agents)

#### Winckworth Sherwood LLP

**Eversheds LLP** 1 Wood Street London EC2V 7WS (Parliamentary Agents)



HS2 Ltd One Canada Square London E14 5AB



February 2016

# **High Speed Rail** (London - West Midlands)

## **Secretary of State for Transport**

Department for Transport **Great Minster House** 33 Horseferry Road London SW1P 4DR

Minerva House 5 Montague Close London SE1 9BB (Parliamentary Agents)

## **Consolidated Plans and Sections as amended in the House of Commons Select Committee**

# PLANS AND SECTIONS | Volume 7 | Standing orders 33 and 50(2)

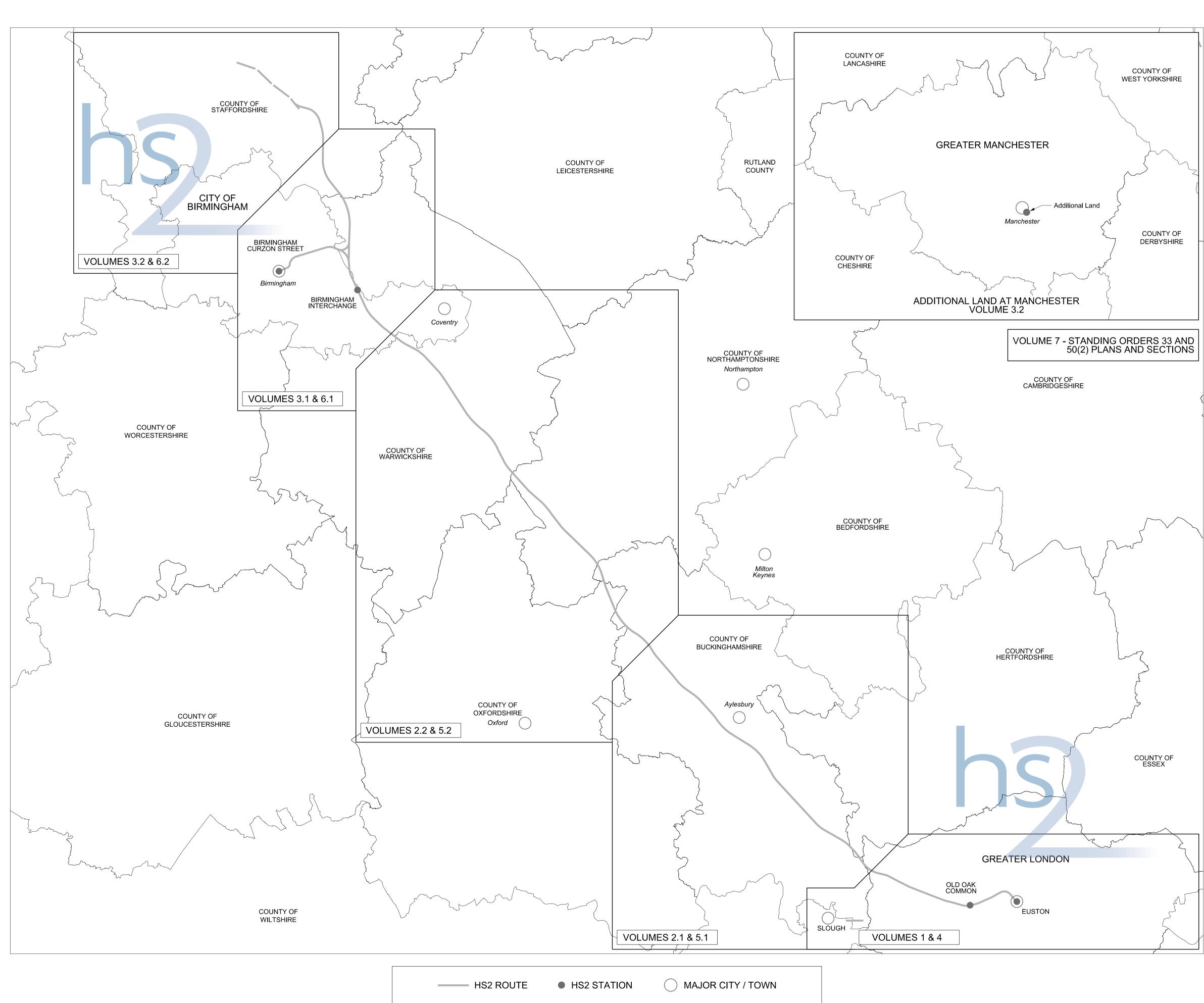
## Winckworth Sherwood LLP

**Eversheds LLP** 1 Wood Street London EC2V 7WS (Parliamentary Agents)



HS2 Ltd One Canada Square London E14 5AB

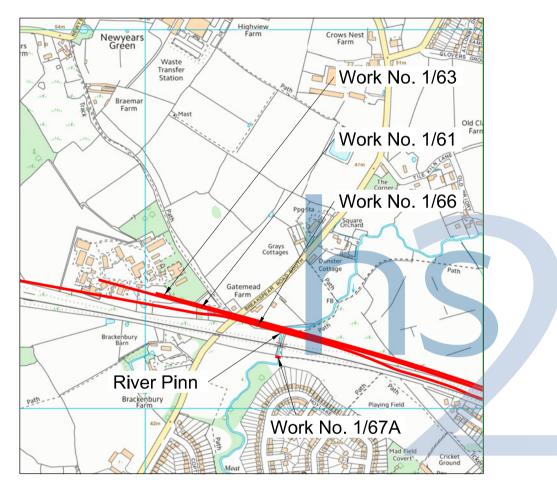
## **PLN 2.1.7**



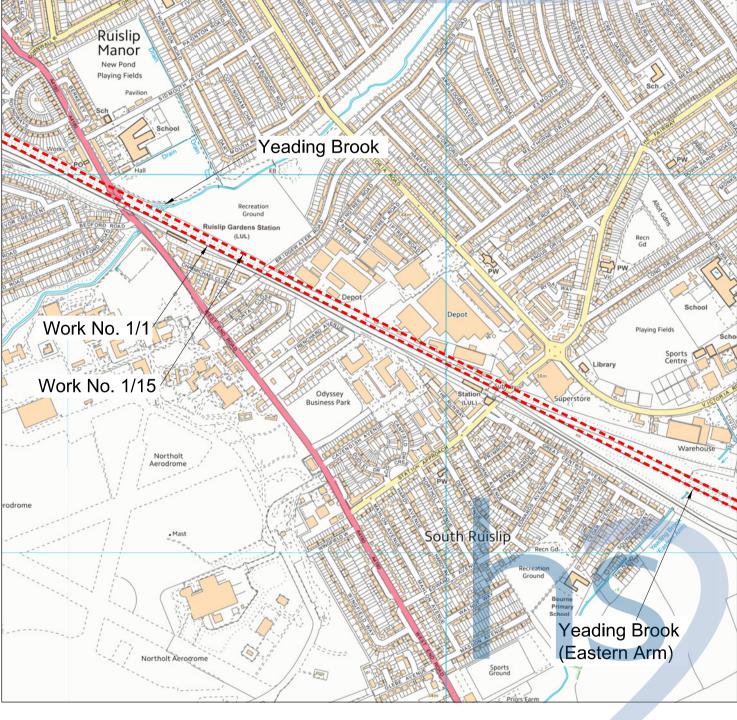
## SCHEME DIAGRAM

#### IN PARLIAMENT - SESSION 2015-16 HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

#### LONDON BOROUGH OF HILLINGDON Works Nos. 1/61, 1/63, 1/66, 1/67A

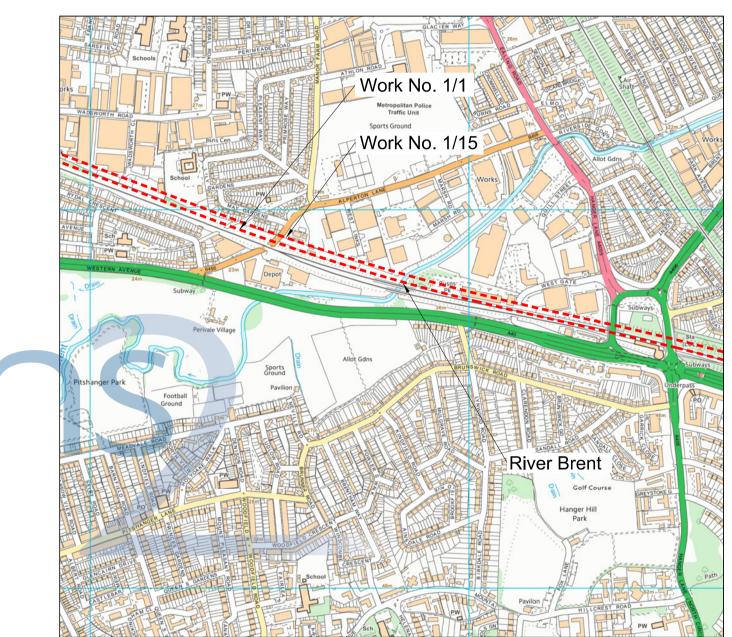


Proposed Bridge (Work No. 1/61) over River Pinn Proposed Bridge (Work No. 1/63) over River Pinn Proposed Bridge (Work No. 1/66) over River Pinn Proposed Temporary Bridge (Work No. 1/67A) over River Pinn





Proposed Tunnels (Works Nos. 1/1, 1/15) under Yeading Brook (Eastern Arm) Proposed Tunnels (Works Nos. 1/1, 1/15) under Yeading Brook



Proposed Tunnels (Works Nos. 1/1, 1/15) under River Brent

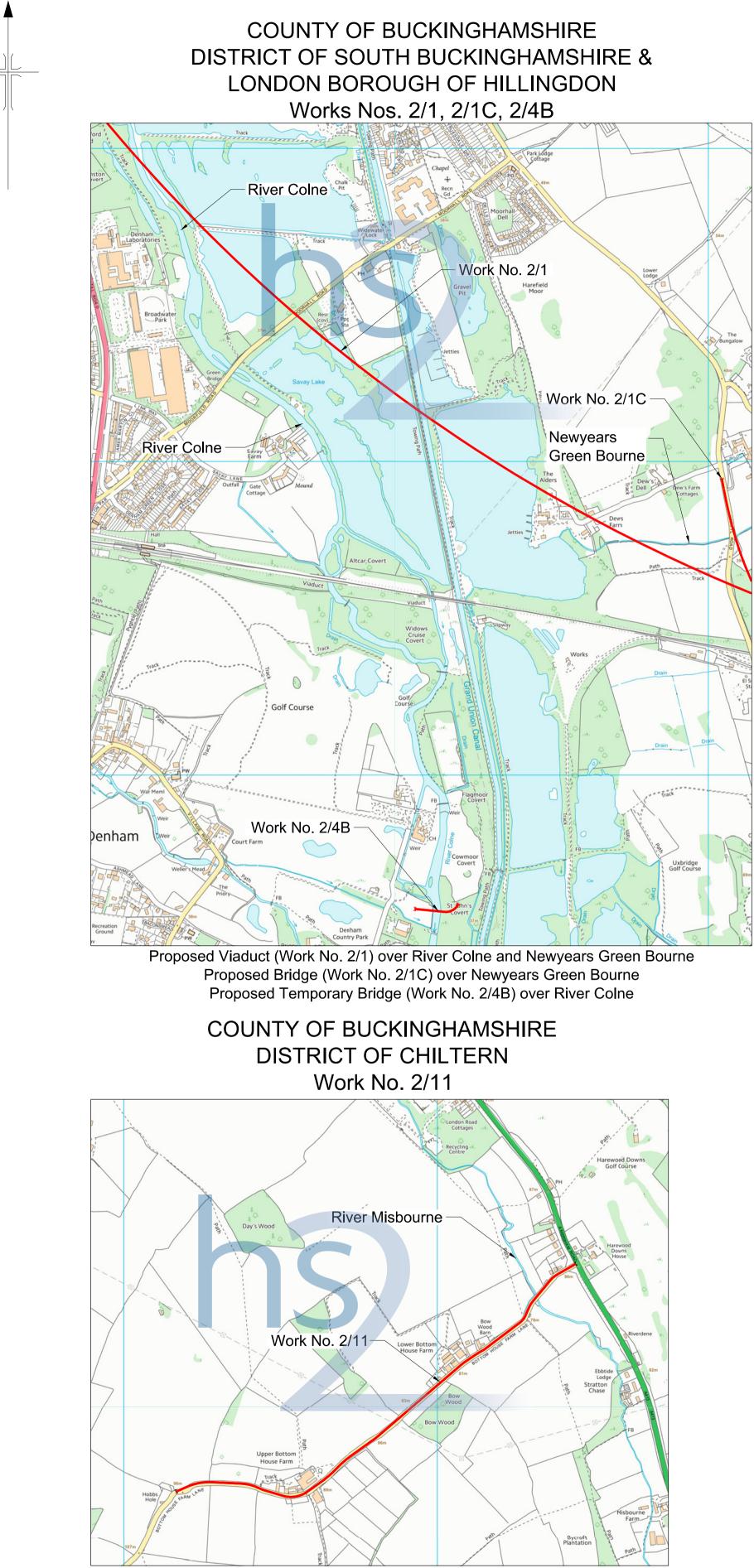
metres 400

IN PARLIAMENT - SESSION 2015-16 HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION (OCTOBER 2015) STANDING ORDER 33 MAPS

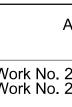
#### AMENDMENTS TO THIS SHEET ARE AS FOLLOWS :-

Work No. 1/67A added

## LONDON BOROUGH OF BRENT Work No. 1/15 LONDON BOROUGH OF EALING Work No. 1/1



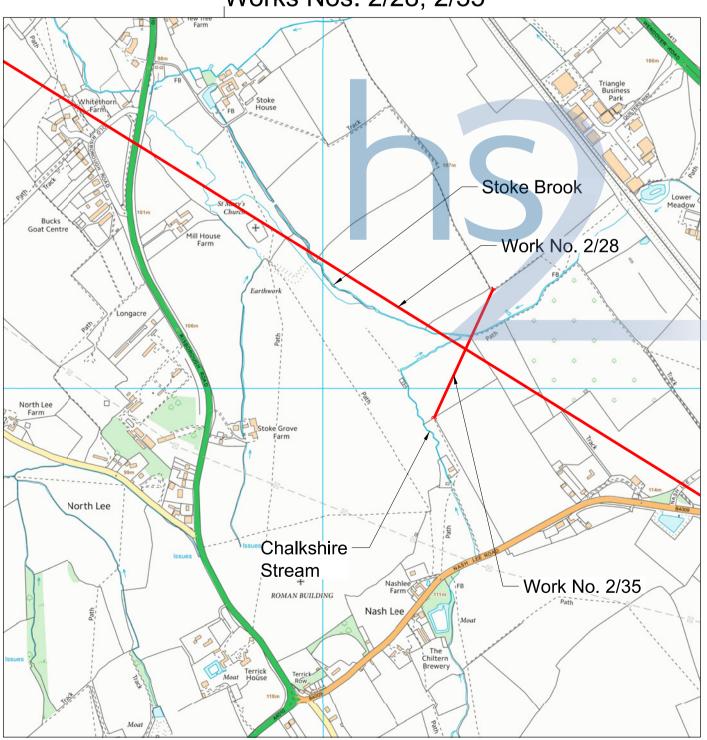
Proposed alteration to Bridge (Work No. 2/11) over River Misbourne



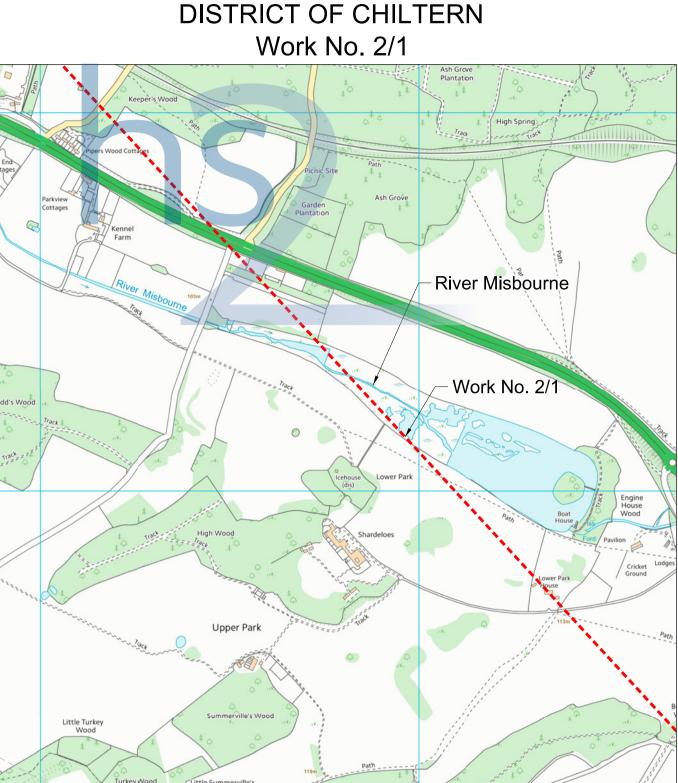
## COUNTY OF BUCKINGHAMSHIRE DISTRICT OF CHILTERN Work No. 2/1 River Misbourne Works (dis) Work No. 2/1

Proposed Tunnel under River Misbourne

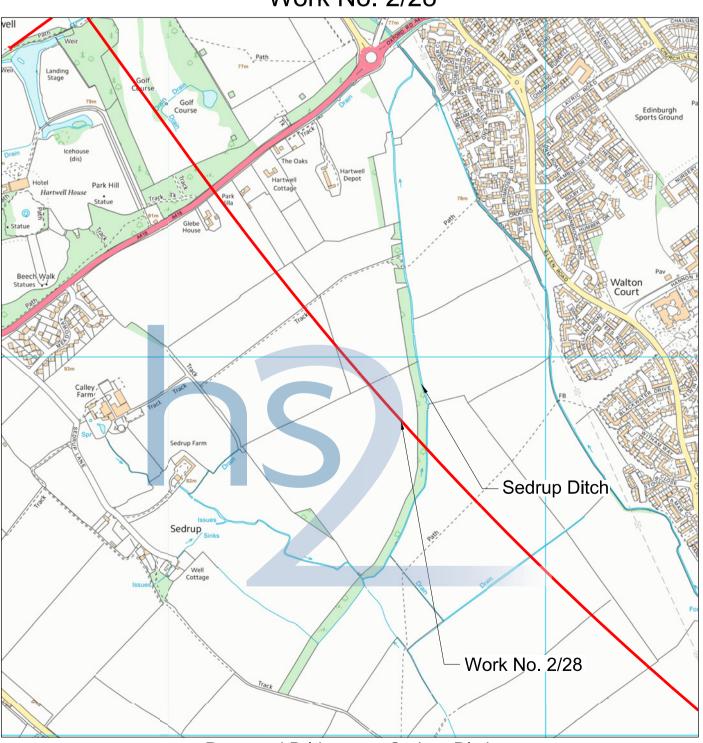
### COUNTY OF BUCKINGHAMSHIRE DISTRICT OF AYLESBURY VALE Works Nos. 2/28, 2/35



Proposed Bridge (Work No. 2/28) over Stoke Brook Proposed Bridge (Work No. 2/35) over Stoke Brook Proposed Bridge (Work No. 2/28) over Chalkshire Stream



Proposed Tunnel under River Misbourne



<u>12</u>00

St Giles

Work No. 2/4B added Work No. 2/4A removed

IN PARLIAMENT - SESSION 2015-16 HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION (JULY 2015) STANDING ORDER 33 MAPS

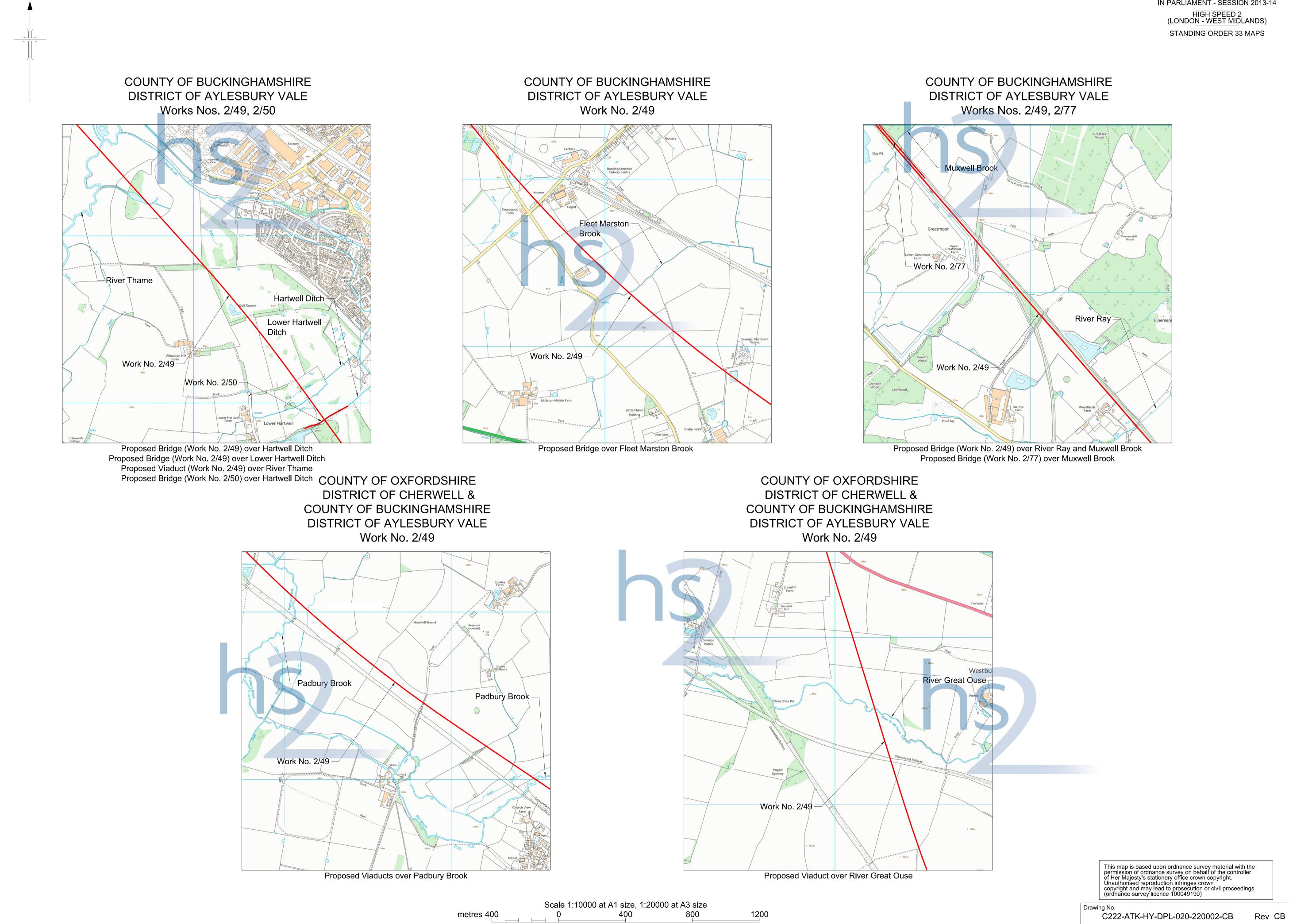
# COUNTY OF BUCKINGHAMSHIRE

#### COUNTY OF BUCKINGHAMSHIRE DISTRICT OF AYLESBURY VALE Work No. 2/28

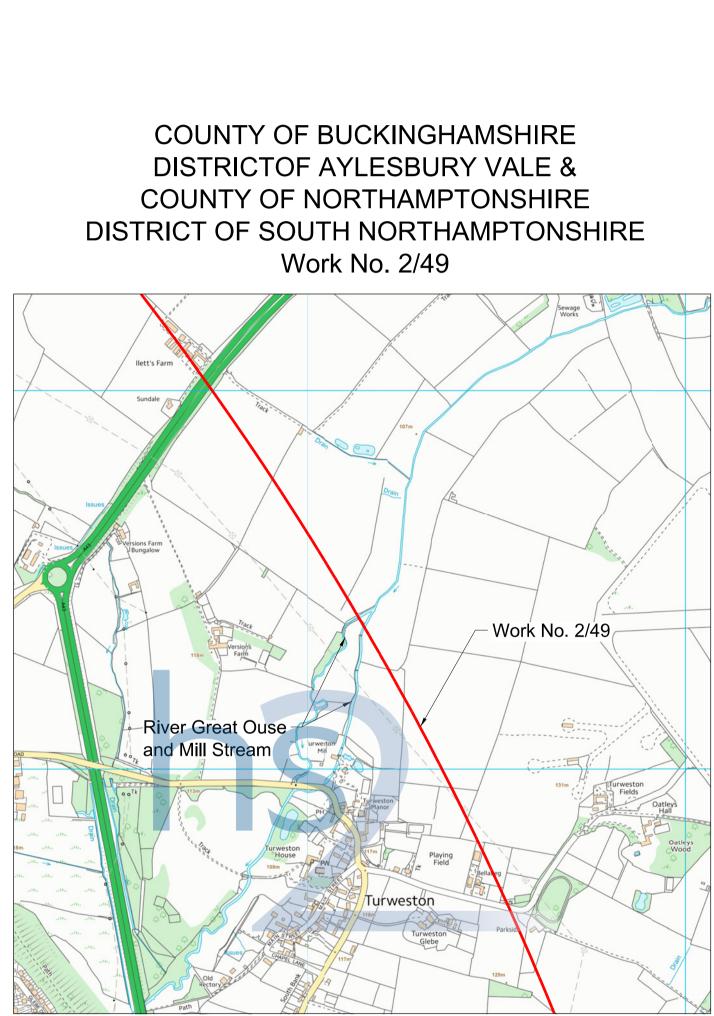
Proposed Bridge over Sedrup Ditch

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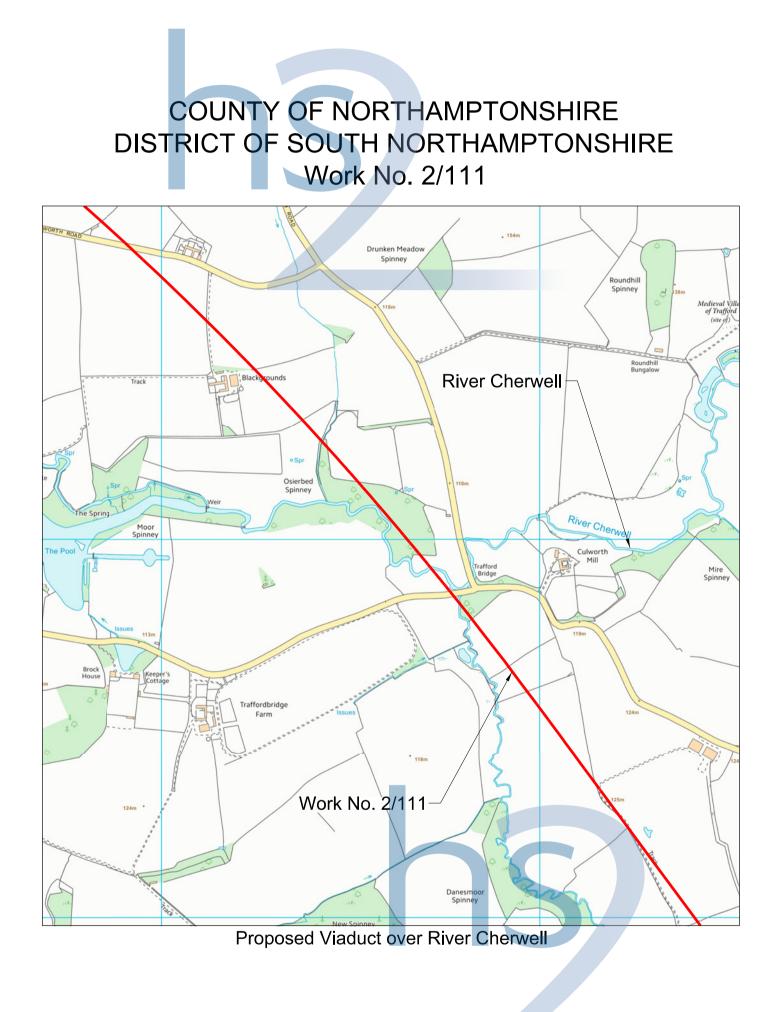
Drawing No.



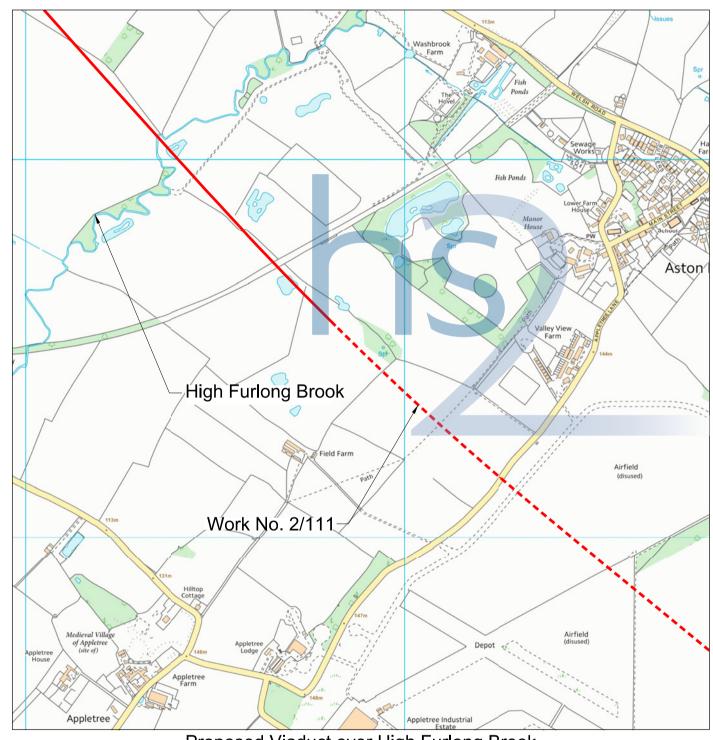
IN PARLIAMENT - SESSION 2013-14



Proposed Viaduct over River Great Ouse and Mill Stream







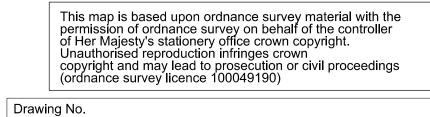
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)	0	400	800

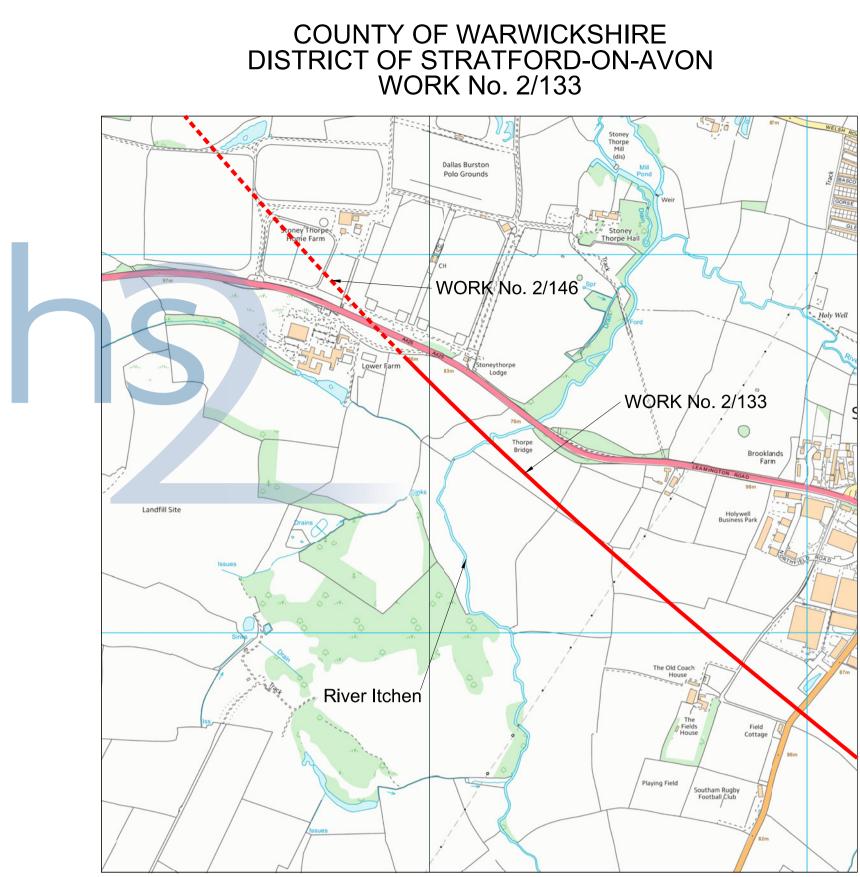
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IN PARLIAMENT - SESSION 2013-14 HIGH SPEED 2 (LONDON - WEST MIDLANDS) STANDING ORDER 33 MAPS

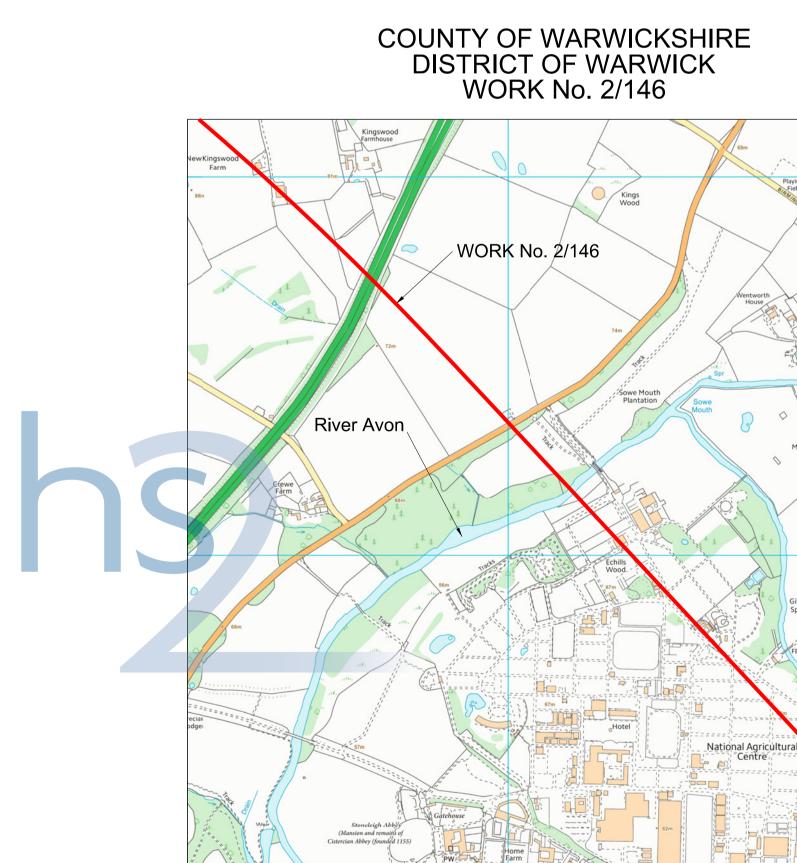
#### COUNTY OF NORTHAMPTONSHIRE DISTRICT OF SOUTH NORTHAMPTONSHIRE Work No. 2/111

Proposed Viaduct over High Furlong Brook





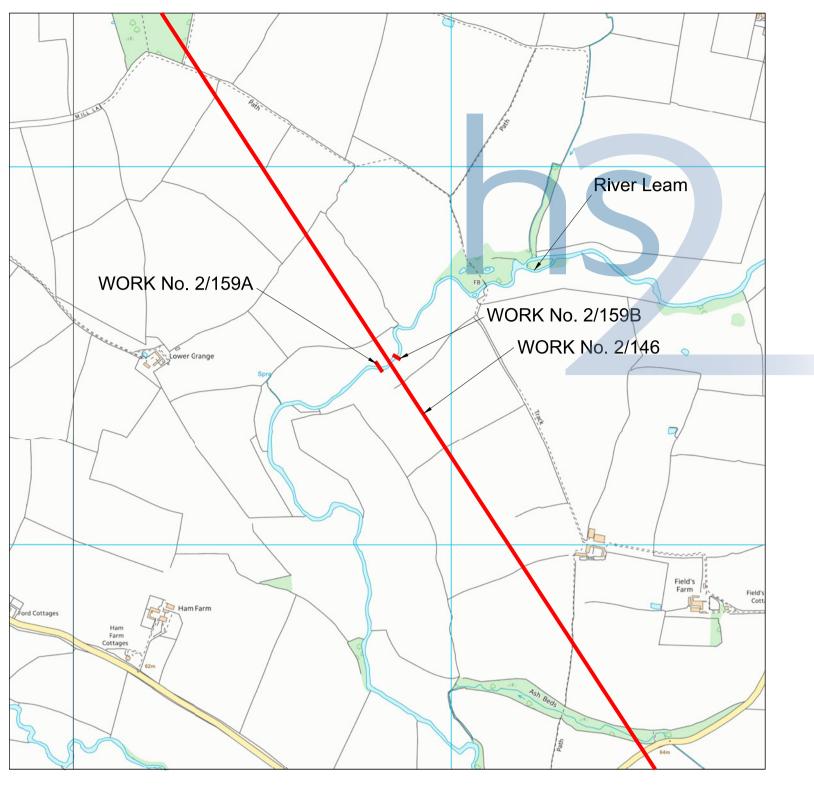
Proposed Viaduct over River Itchen



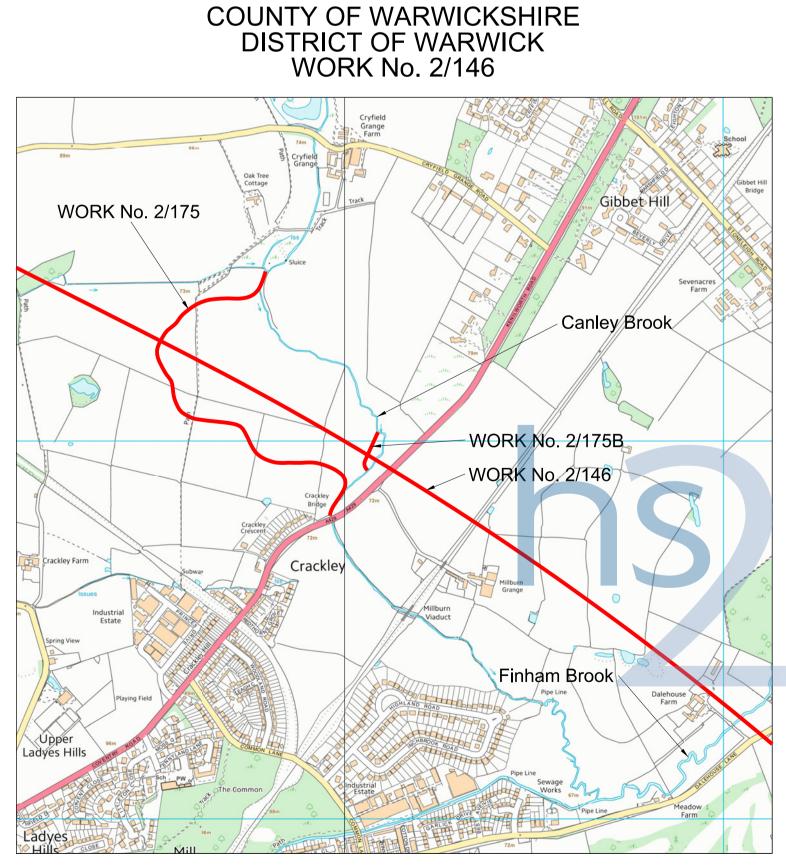
Proposed Bridge over River Avon

# Stoneleigh Park

# COUNTY OF WARWICKSHIRE DISTRICT OF WARWICK WORKS Nos. 2/146, 2/159A and 2/159B



Proposed Viaduct (Work No. 2/146) over River Leam Proposed Temporary Bridges (Works Nos. 2/159A and 2/159B) over River Leam



Proposed Viaducts (Work No. 2/146) over Finham Brook and Canley Brook

<u>12</u>00

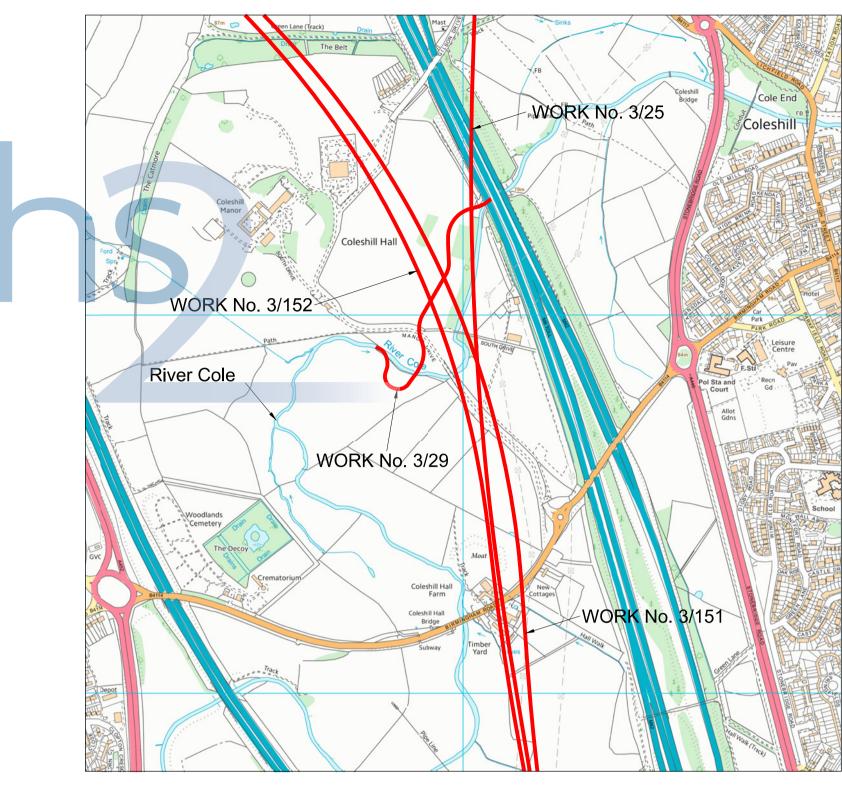
#### Scale 1:10000 at A1 size, 1:20000 at A3 size 800 400

IN PARLIAMENT - SESSION 2015-16 HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION (OCTOBER 2015) STANDING ORDER 33 MAPS

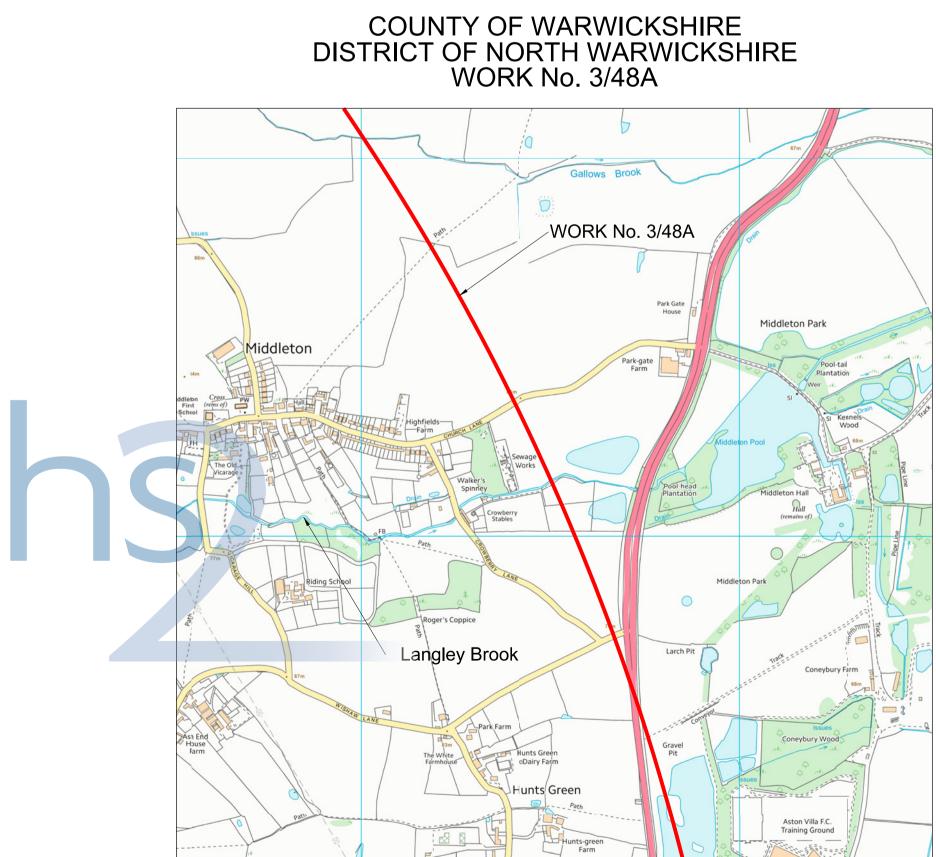
#### AMENDMENTS TO THIS SHEET ARE AS FOLLOWS :-

Works Nos. 2/159A, 2/159B and 2/175B added

# COUNTY OF WARWICKSHIRE DISTRICT OF NORTH WARWICKSHIRE WORKS Nos. 3/25, 3/151 & 3/152

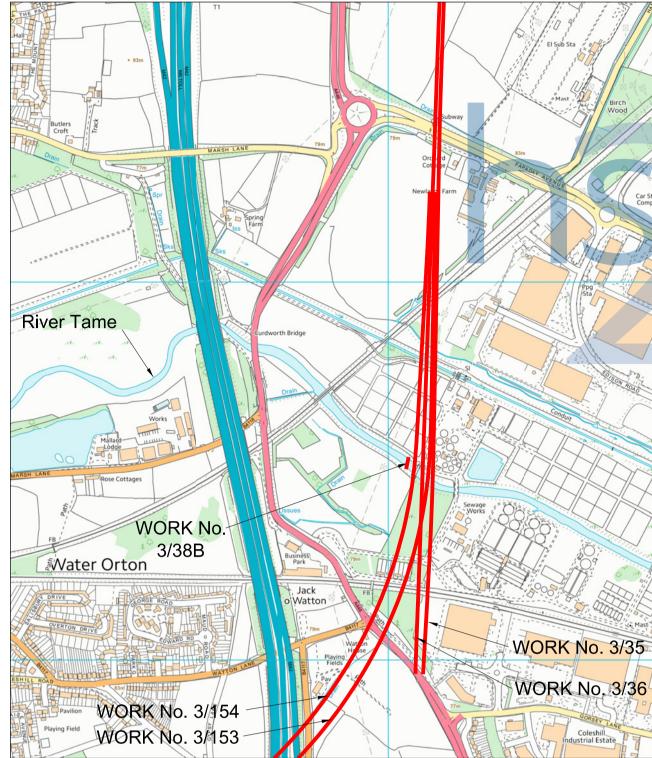


Proposed Viaducts (Works Nos. 3/25, 3/151 & 3/152) over River Cole



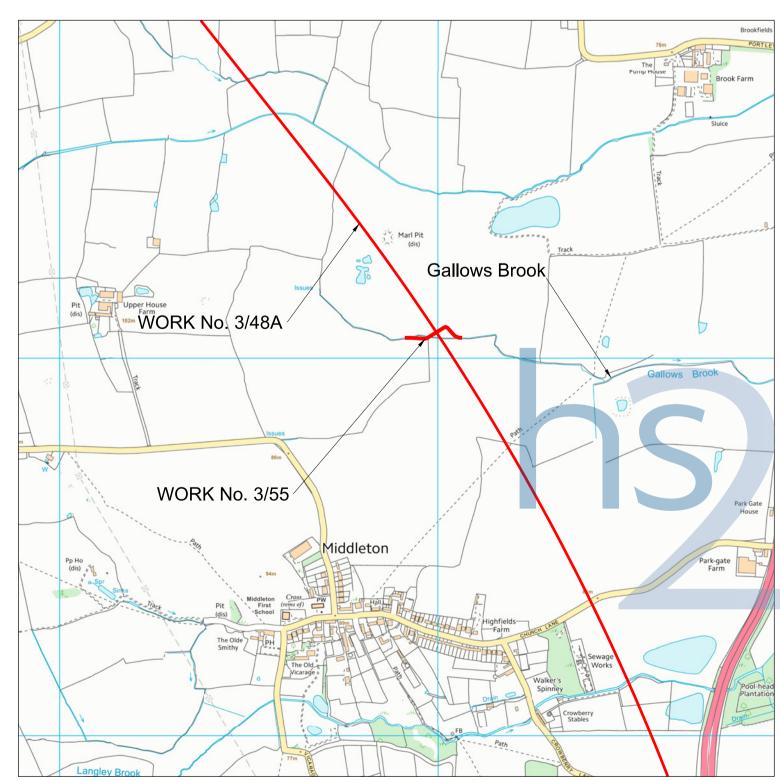
Proposed Viaduct over Langley Brook

# COUNTY OF WARWICKSHIRE DISTRICT OF NORTH WARWICKSHIRE WORKS Nos. 3/35, 3/36, 3/38B, 3/153 & 3/154



Proposed Viaducts (Works Nos. 3/35, 3/36, 3/153 & 3/154) over River Tame Proposed Temporary Bridge (Work No. 3/38B) over River Tame

## COUNTY OF WARWICKSHIRE DISTRICT OF NORTH WARWICKSHIRE WORK No. 3/48A



Proposed Bridge (Work No. 3/48A) over Gallows Brook

	Sca	le 1:10000 at	A1 si	ize, 1:20000 at A3	3 size	
	(	C	40	3 OC	300	1200
	-					

IN PARLIAMENT - SESSION 2015-16 HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION (OCTOBER 2015) STANDING ORDER 33 MAPS

OCTOBER 2015 AMENDMENTS TO THIS SHEET ARE AS FOLLOWS :-

Work No. 3/38b added Work No. 3/38 removed

JULY 2015 AMENDMENTS TO THIS SHEET ARE AS FOLLOWS :-

Work No. 3/48A added Work No. 3/48 removed

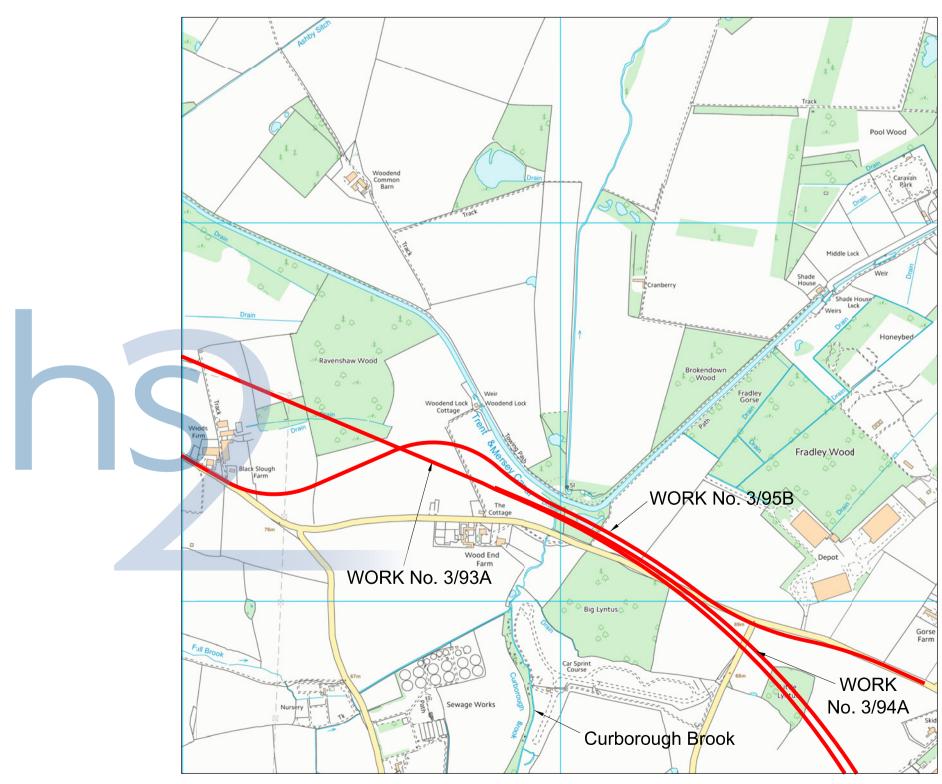


# COUNTY OF STAFFORDSHIRE DISTRICT OF LICHFIELD WORKS Nos. 3/48A & 3/70

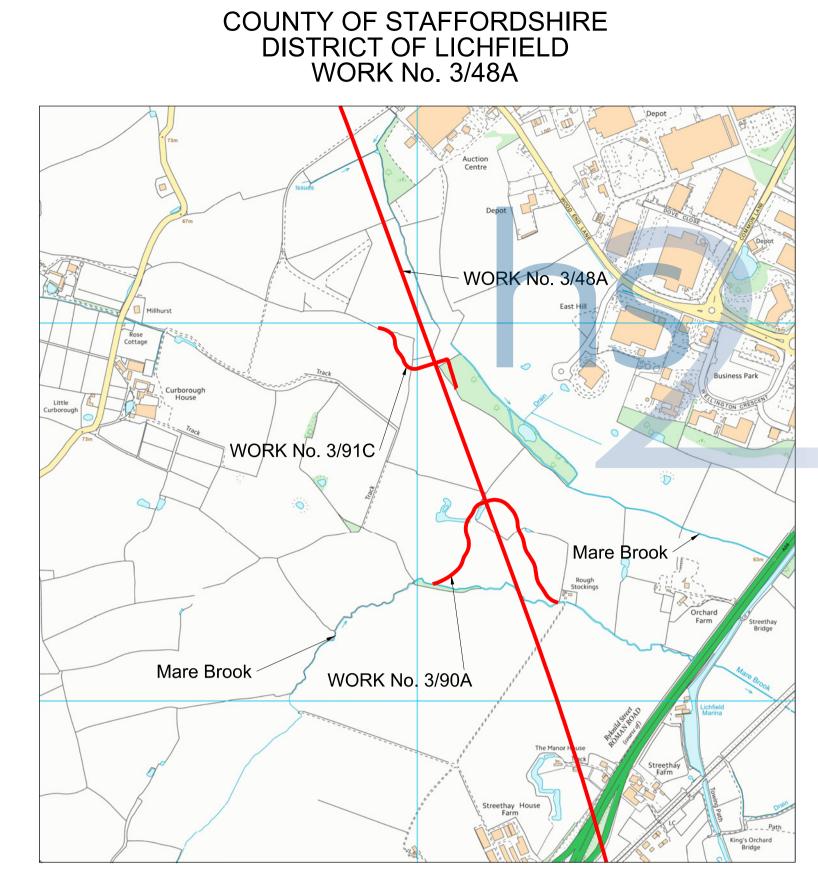


Proposed Viaduct (Work No. 3/48A) over Black Brook Proposed Temporary Bridge (Work No. 3/70) over Black Brook

COUNTY OF STAFFORDSHIRE DISTRICT OF LICHFIELD WORKS Nos. 3/93A, 3/94A & 3/95B



Proposed Viaducts (Works Nos. 3/93A, 3/94A & 3/95B) over Curborough Brook



Proposed Bridges over Mare Brook.





Proposed Viaduct over Bourne Brook

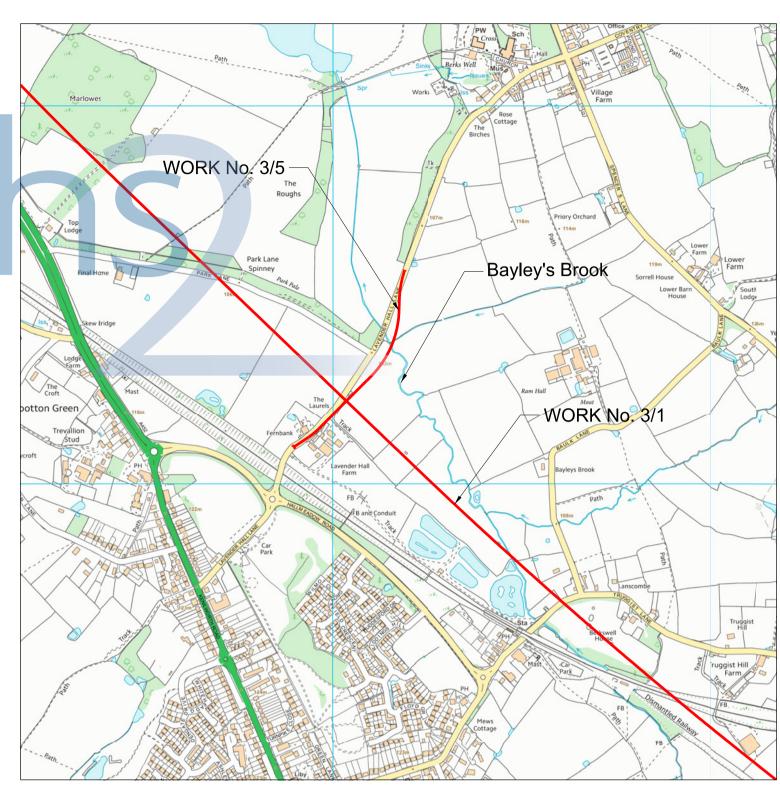
Scale 1:10000	at A1 size, 1:200	000 at A3 size	
0	400	800	1200

IN PARLIAMENT - SESSION 2015-16 HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION (JULY 2015) STANDING ORDER 33 MAPS

#### AMENDMENTS TO THIS SHEET ARE AS FOLLOWS :-

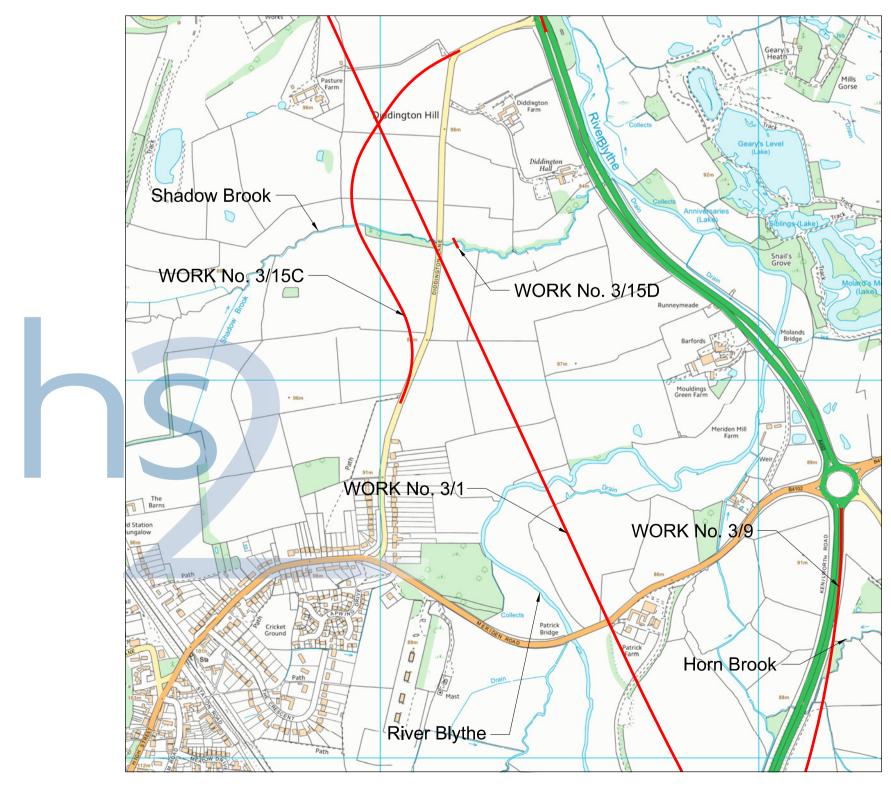
Works Nos. 3/48A, 3/93A, 3/94A and 3/95B added Works Nos. 3/48, 3/93 and 3/94 removed

#### METROPOLITAN BOROUGH OF SOLIHULL WORKS Nos. 3/1 & 3/5



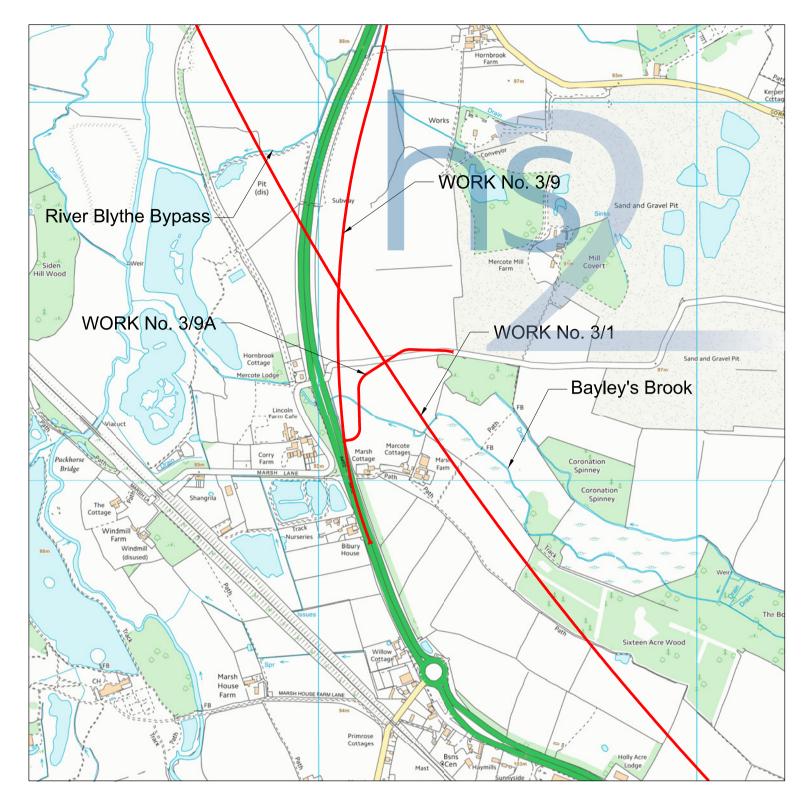
Proposed Viaduct (Work No. 3/1) over Bayley's Brook Proposed Bridge (Work No. 3/5) over Bayley's Brook

#### METROPOLITAN BOROUGH OF SOLIHULL WORKS Nos. 3/1, 3/9, 3/15C & 3/15D



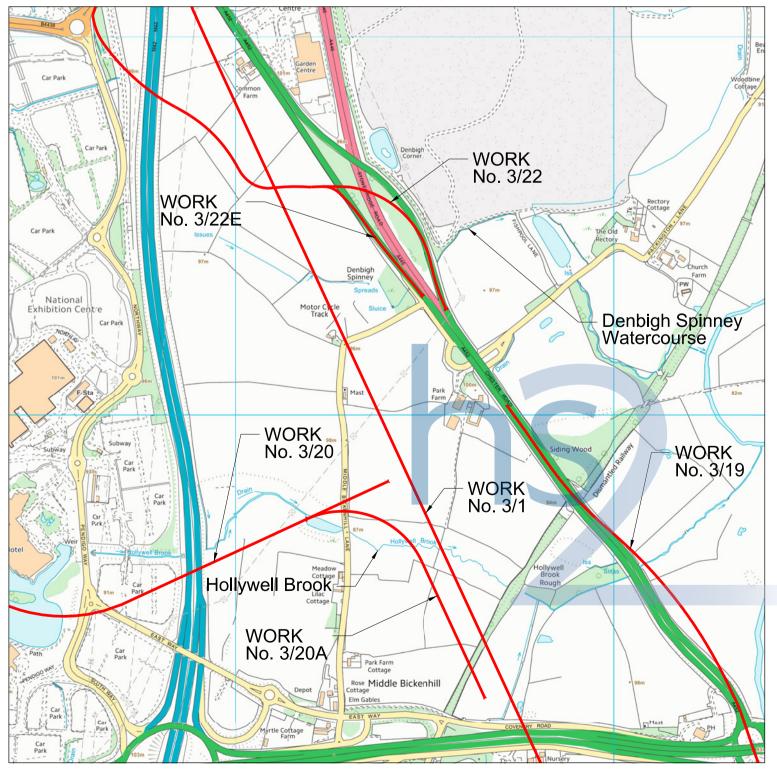
Proposed Viaduct (Work No. 3/1) over River Blythe Proposed Bridge (Work No. 3/1) over Shadow Brook Proposed Bridge (Work No. 3/9) over Horn Brook Proposed Bridge (Work No. 3/15C) over Shadow Brook Proposed Bridge (Work No. 3/15D) over Shadow Brook

#### METROPOLITAN BOROUGH OF SOLIHULL WORKS Nos. 3/1, 3/9 & 3/9A



Proposed Viaduct (Work No. 3/1) over Bayley's Brook Proposed Bridge (Work No. 3/9) over Bayley's Brook Proposed Bridge (Work No. 3/9A) over Bayley's Brook Proposed Bridge (Work No. 3/1) over River Blythe Bypass

#### METROPOLITAN BOROUGH OF SOLIHULL WORKS Nos. 3/1, 3/19, 3/20, 3/20A, 3/22 & 3/22E



Proposed Bridge (Work No. 3/1) over Hollywell Brook Proposed Bridge (Work No. 3/19) over Hollywell Brook Proposed Viaducts (Works Nos. 3/20 & 3/20A) over Hollywell Brook Proposed Bridge (Work No. 3/1) over Denbigh Spinney Watercourse Proposed Bridge (Works Nos. 3/22 & 3/22E) over Denbigh Spinney Watercourse <u>12</u>00

IN PARLIAMENT - SESSION 2015-16

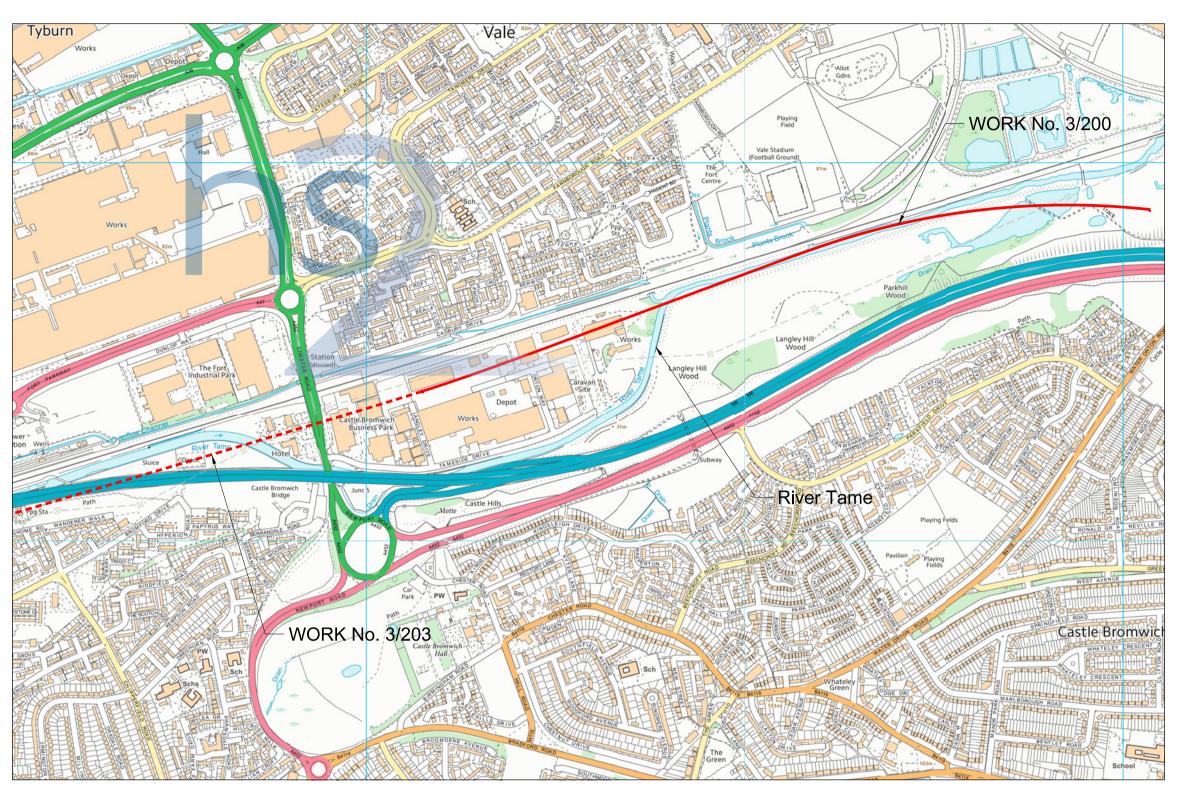
HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION (JULY 2015)

STANDING ORDER 33 MAPS

#### AMENDMENTS TO THIS SHEET ARE AS FOLLOWS :-

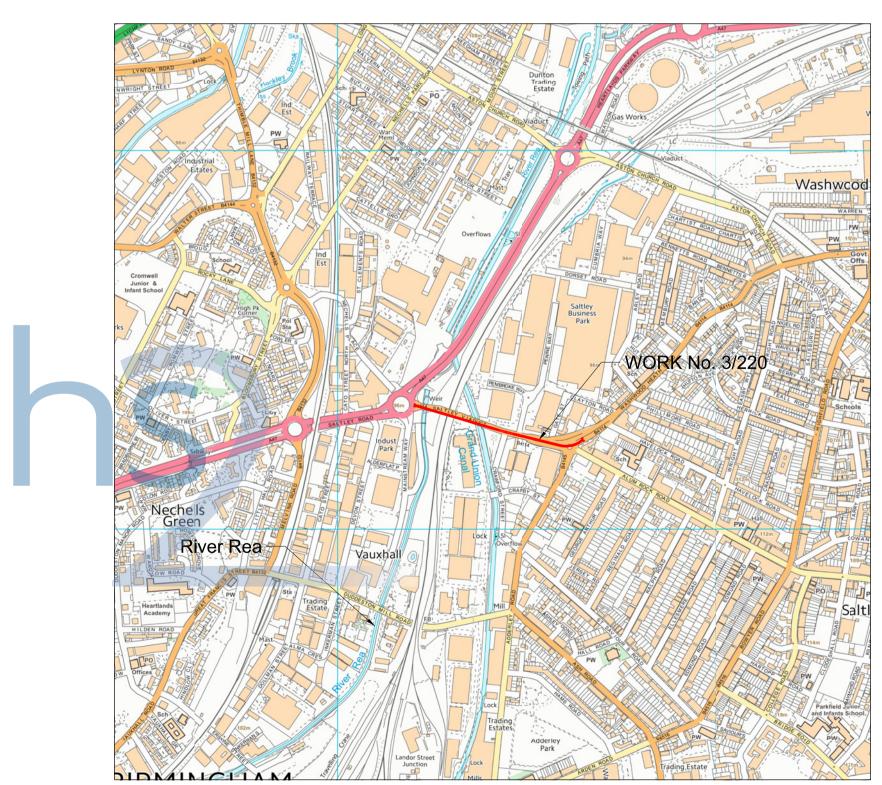
Work Nos. 3/15C & 3/15D added

#### CITY OF BIRMINGHAM WORKS Nos. 3/200 & 3/203



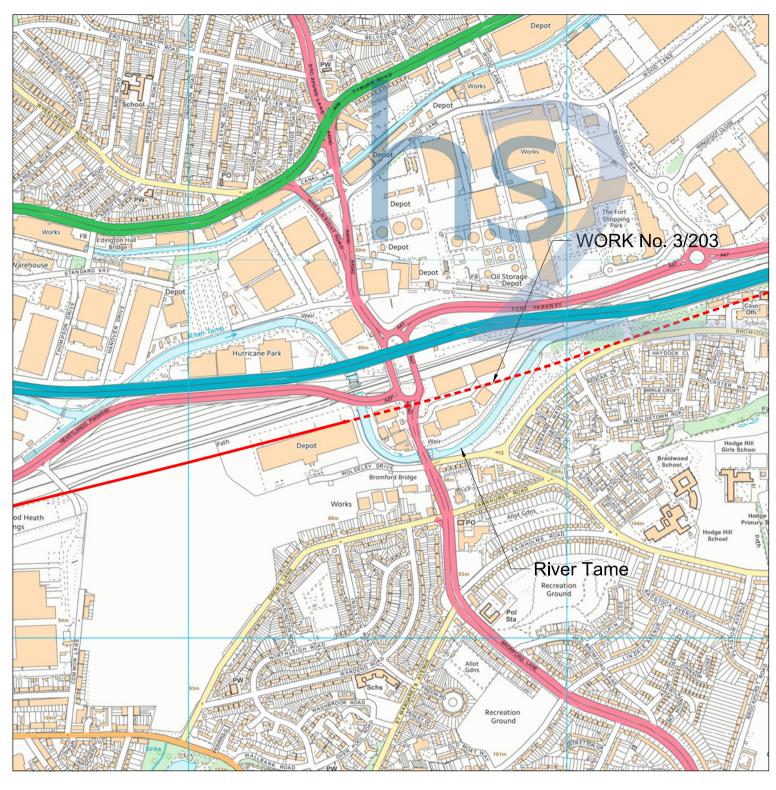
Proposed Viaduct (Work No. 3/200) over River Tame Diversion Proposed Tunnels (Work No. 3/203) under River Tame

#### CITY OF BIRMINGHAM WORK No. 3/220



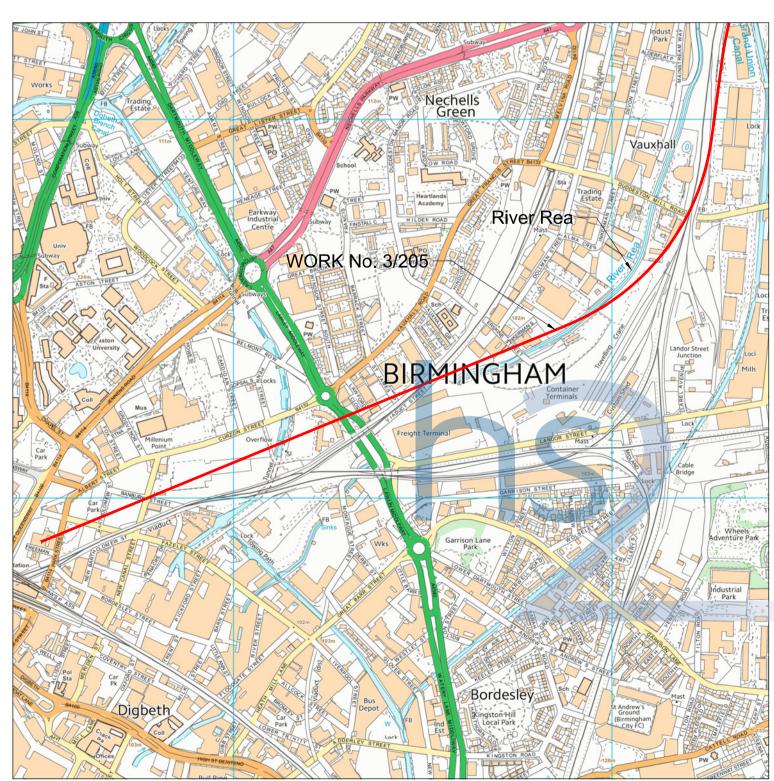
Proposed Bridge (Work No. 3/220) over River Rea

#### CITY OF BIRMINGHAM WORK No. 3/203



Proposed Tunnels (Work No. 3/203) under River Tame

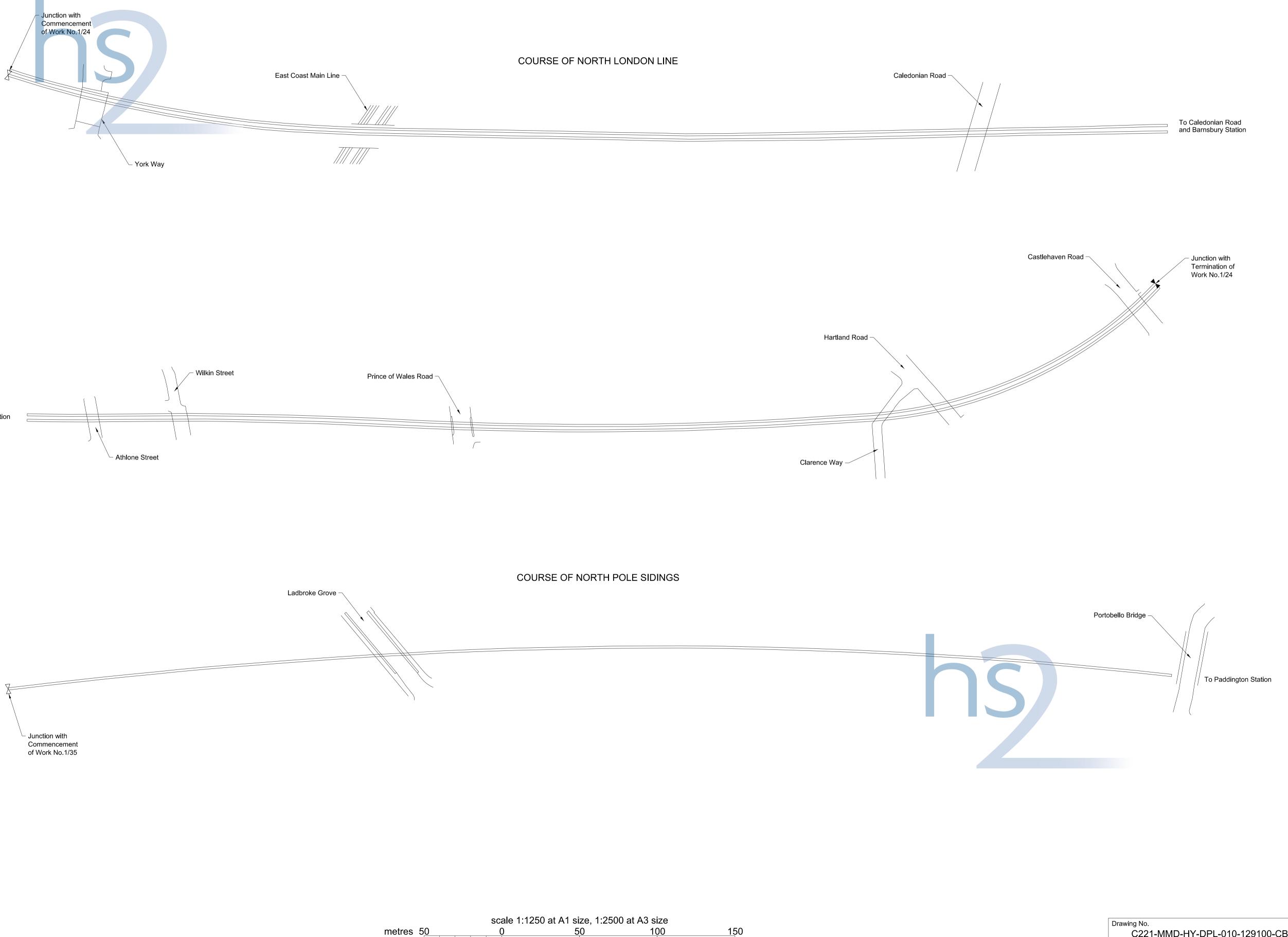
#### **CITY OF BIRMINGHAM** WORK No. 3/205



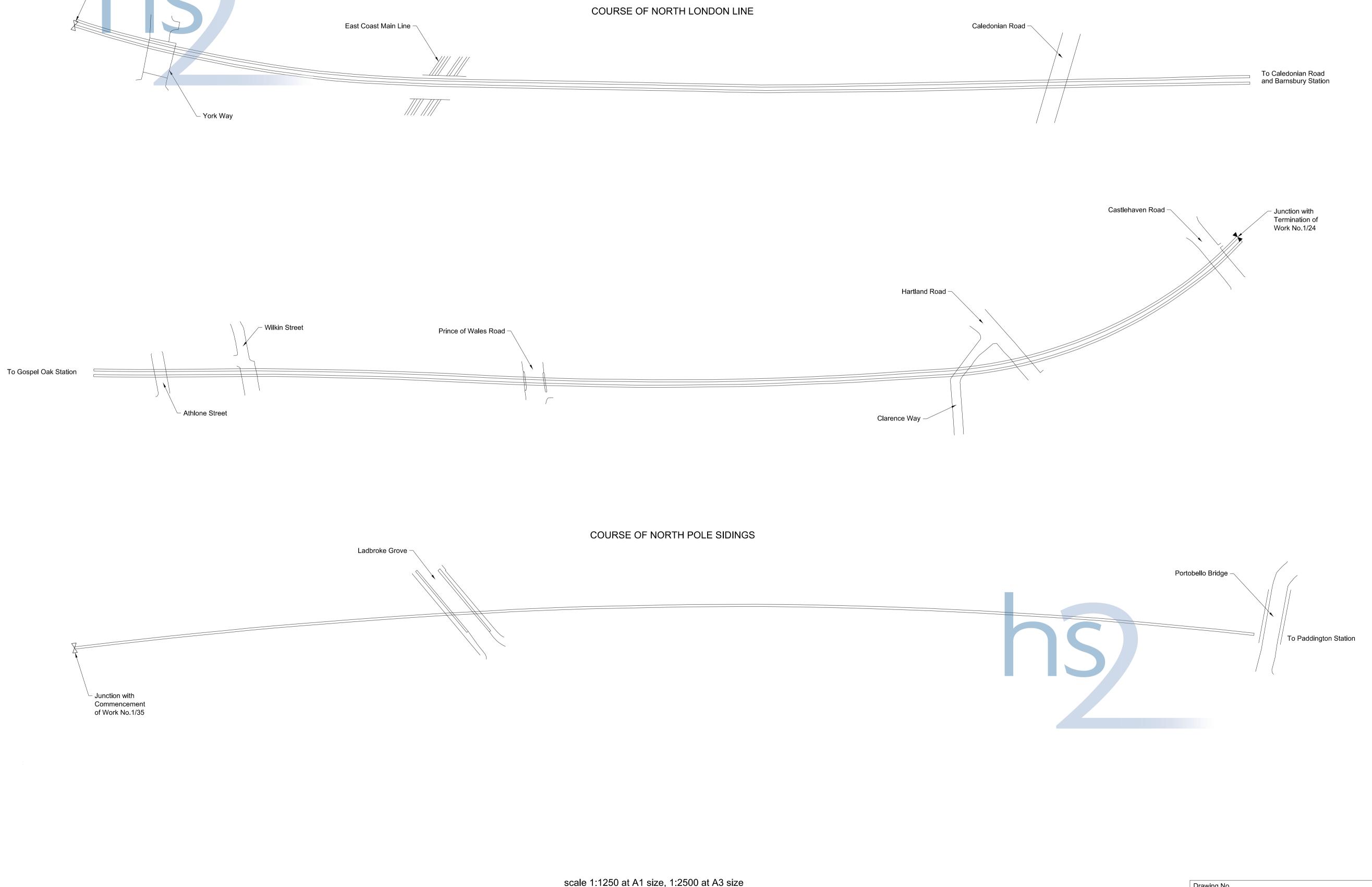
Proposed Viaduct (Work No. 3/205) over River Rea

<u>12</u>00

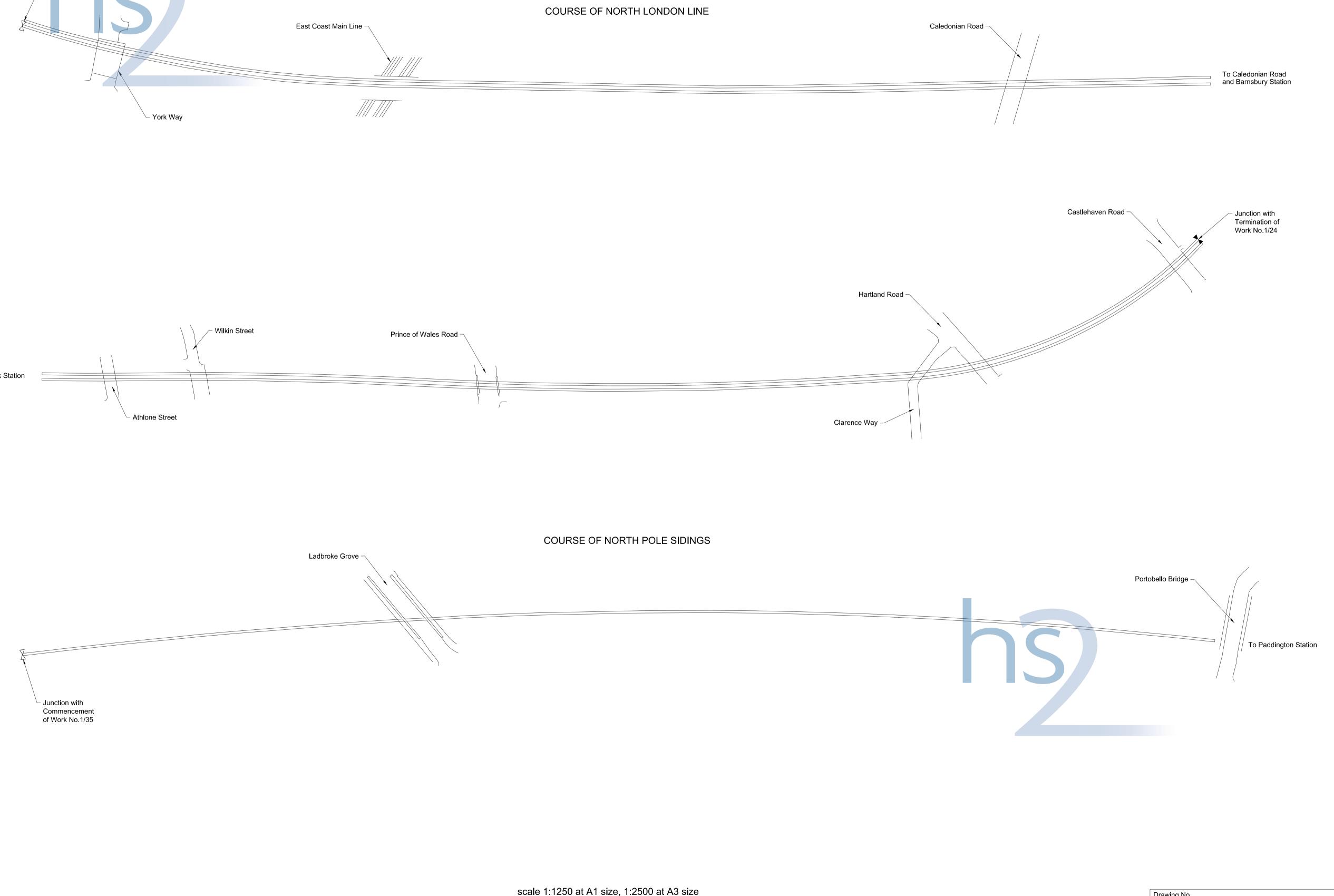
IN PARLIAMENT - SESSION 2013-14 HIGH SPEED RAIL (LONDON - WEST MIDLANDS) STANDING ORDER 33 MAPS



150



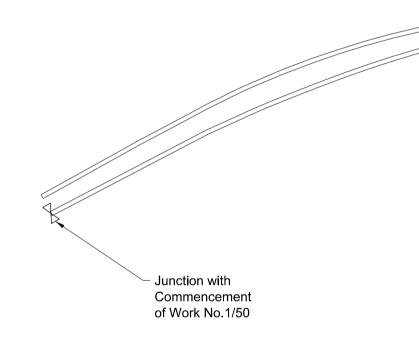
metres 5<u>0</u>

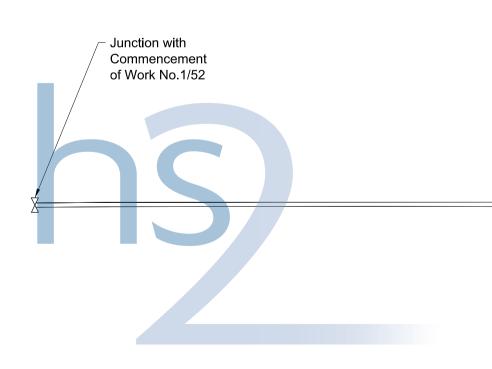


## **GREATER LONDON**

## PLANS

To Ealing Broadway Station



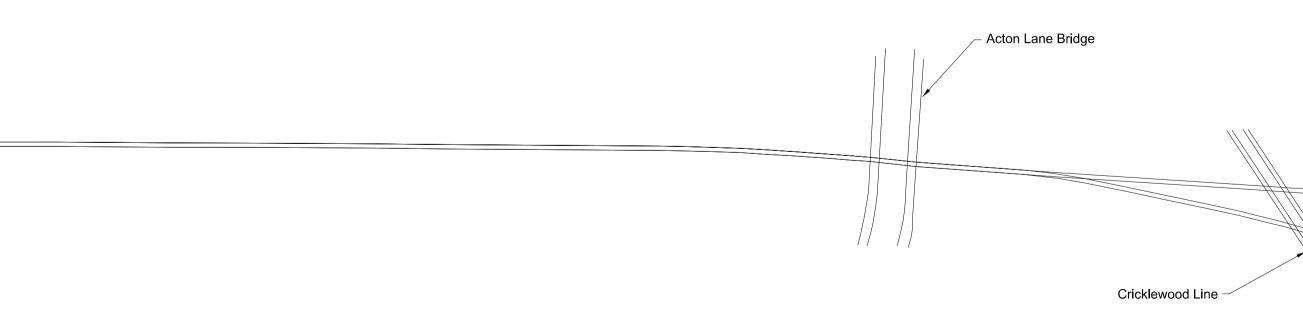




## PLANS

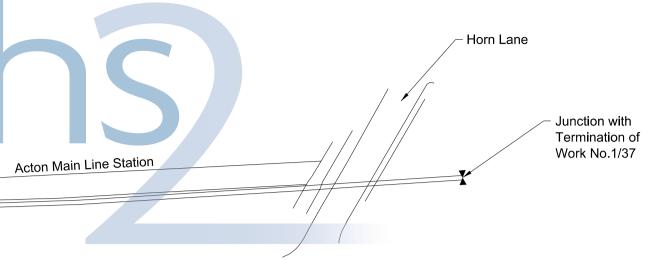
COURSE OF GREAT WESTERN MAIN LINE

COURSE OF WEST LONDON LINE



	scale 1:1250	at A1 size, 1:250	0 at A3 size	
metres 50	0	50	100	150

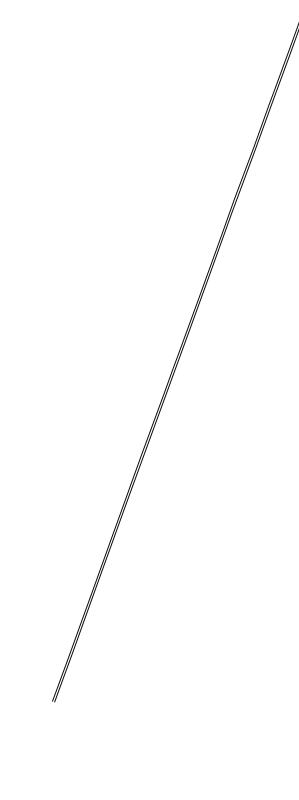
#### IN PARLIAMENT - SESSION 2013-14 HIGH SPEED RAIL (LONDON - WEST MIDLANDS) EXISTING RAILWAYS



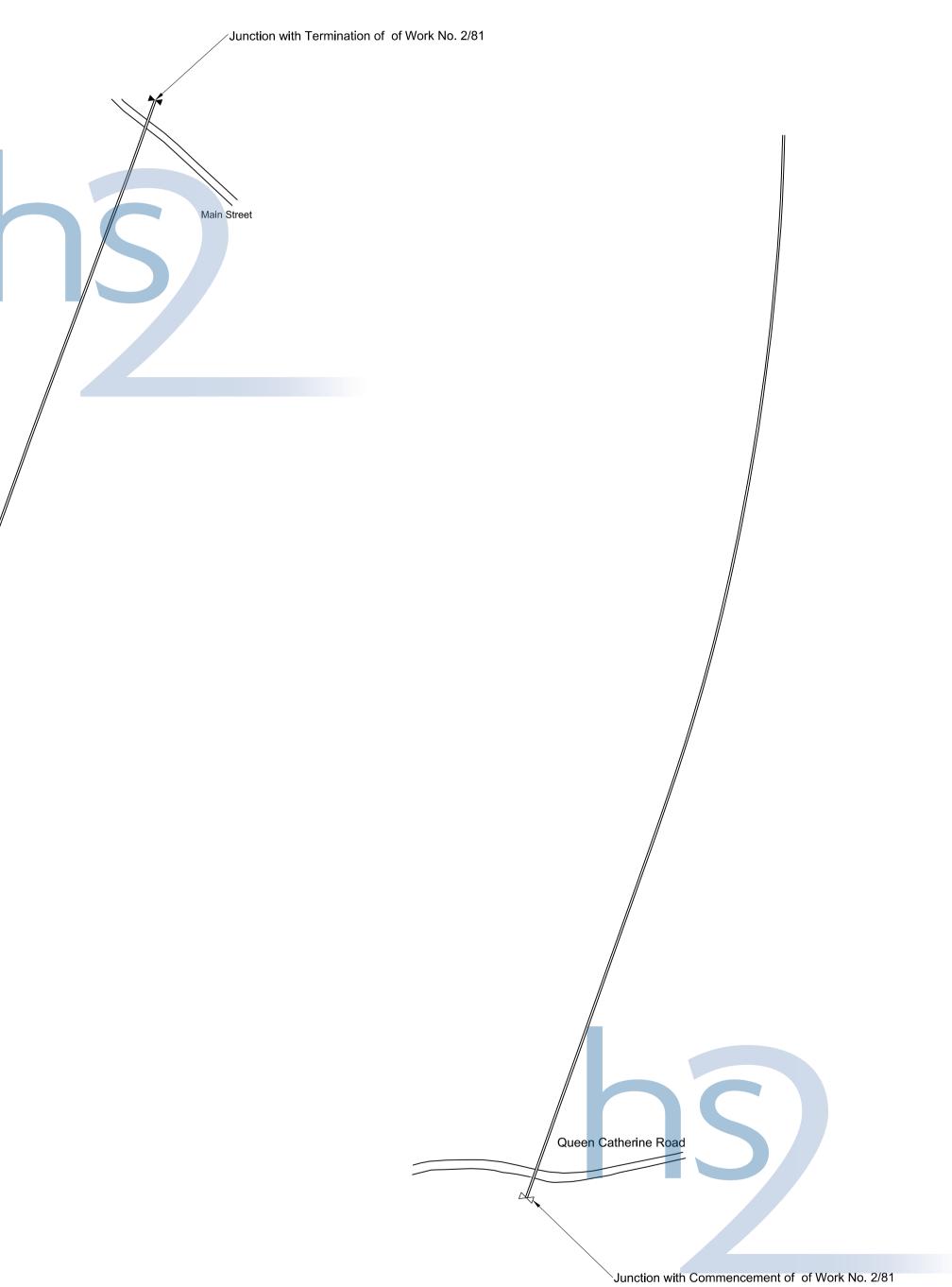
To Clapham Junction

/ Junction with Termination of Work No.1/50

Drawing No. C221-MMD-HY-DPL-010-129200-CB



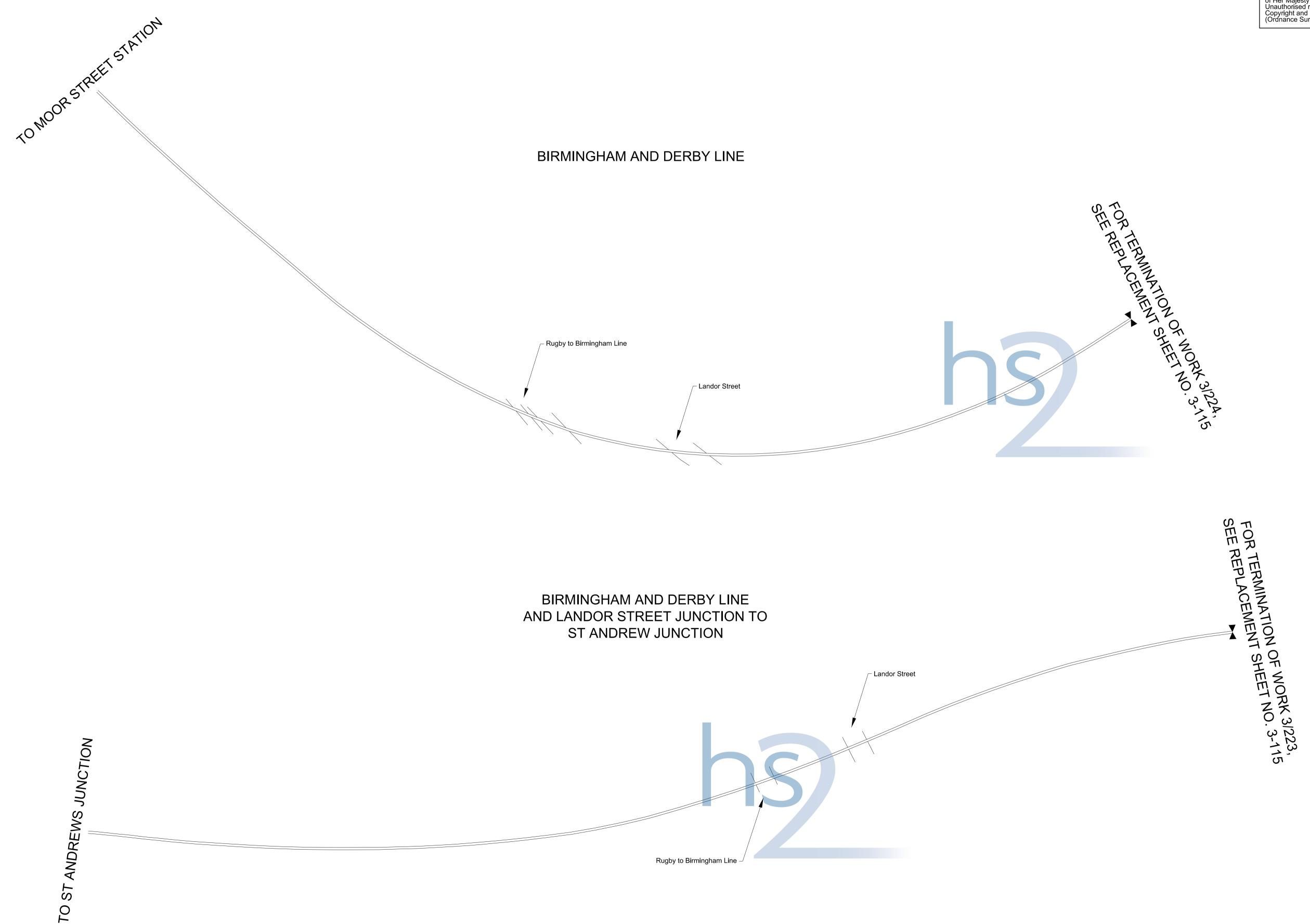
#### COURSE OF BICESTER TO BLETCHLEY LINE RAILWAY



	Scale 1:250	00 at A1 size, 1:500	00 at A3 size	
_	0	100	200	300

SHEET No. 7-104

## CITY OF BIRMINGHAM PLAN

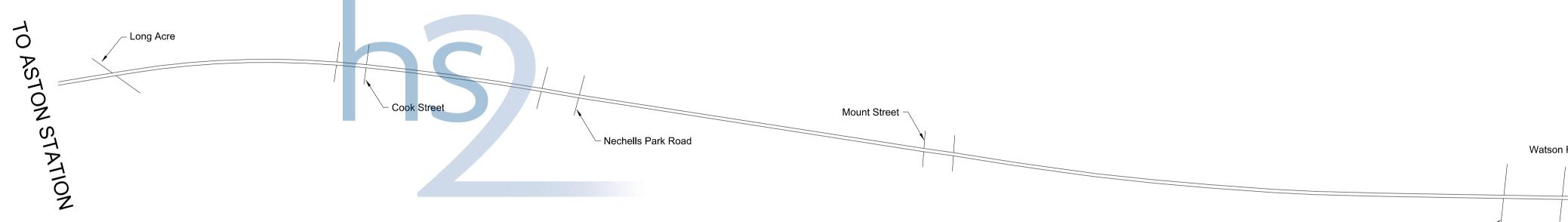


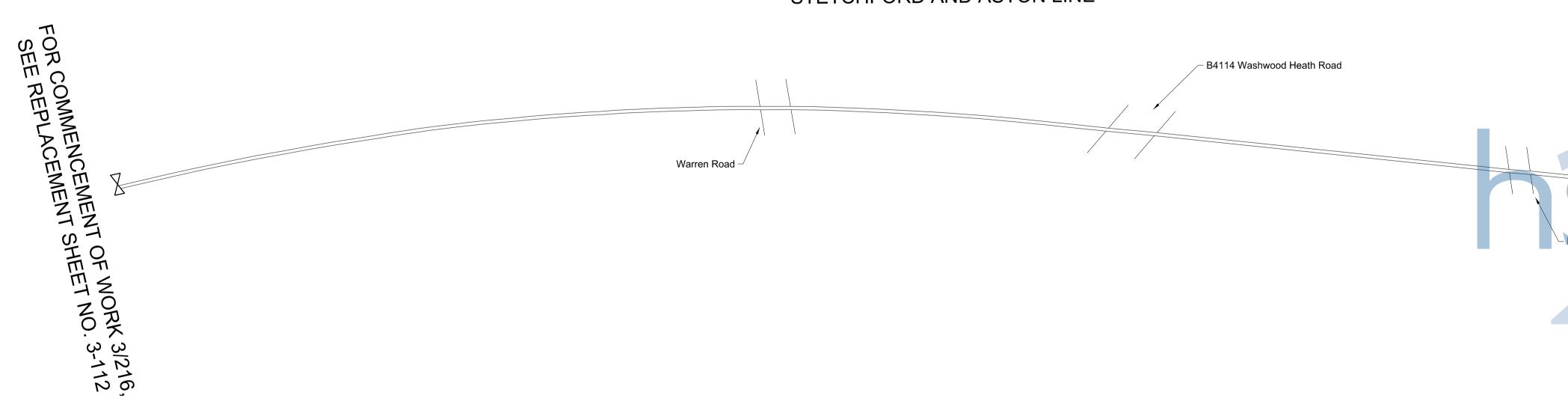
SHEET No. 7-105

IN PARLIAMENT - SESSION 2013-14

## HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

The area enclosed by any limit of deviation or by any limit of land to be acquired or used is the area extending to the outer edge of the line marking those limits





## CITY OF BIRMINGHAM PLAN

STETCHFORD AND ASTON LINE

STETCHFORD AND ASTON LINE

150

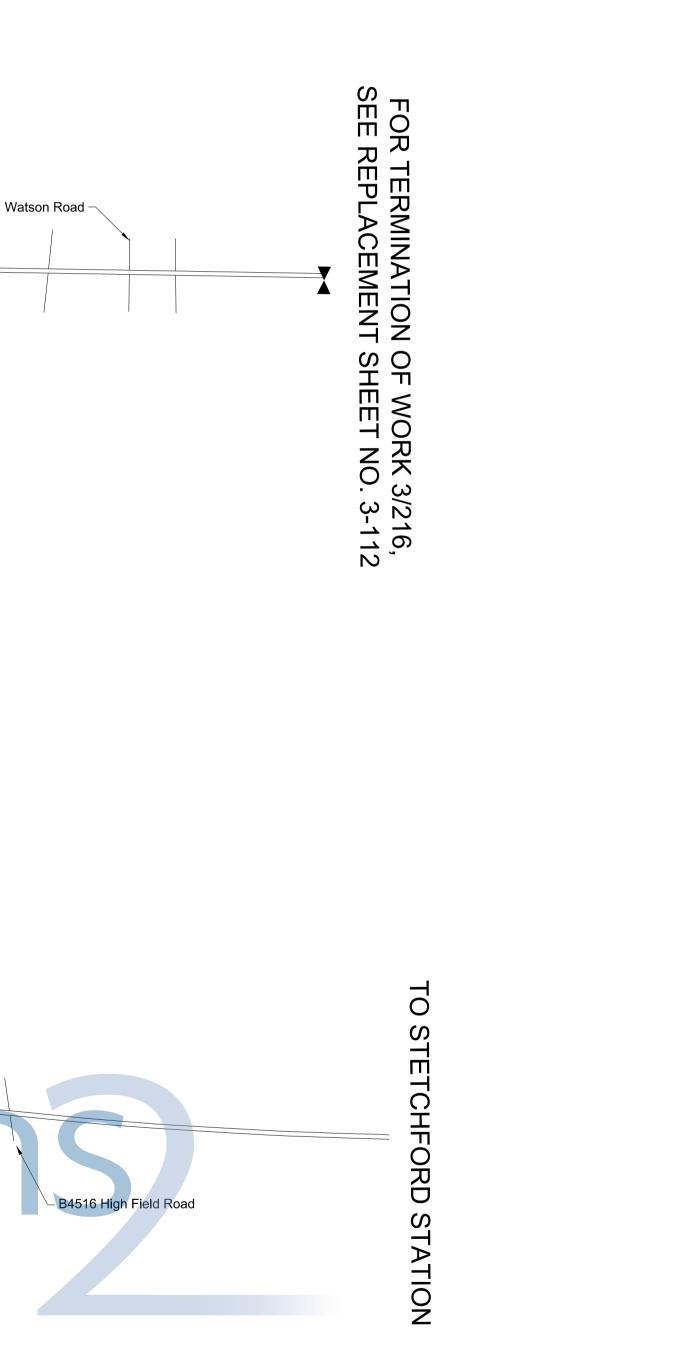
SHEET No. 7-106

IN PARLIAMENT - SESSION 2013-14

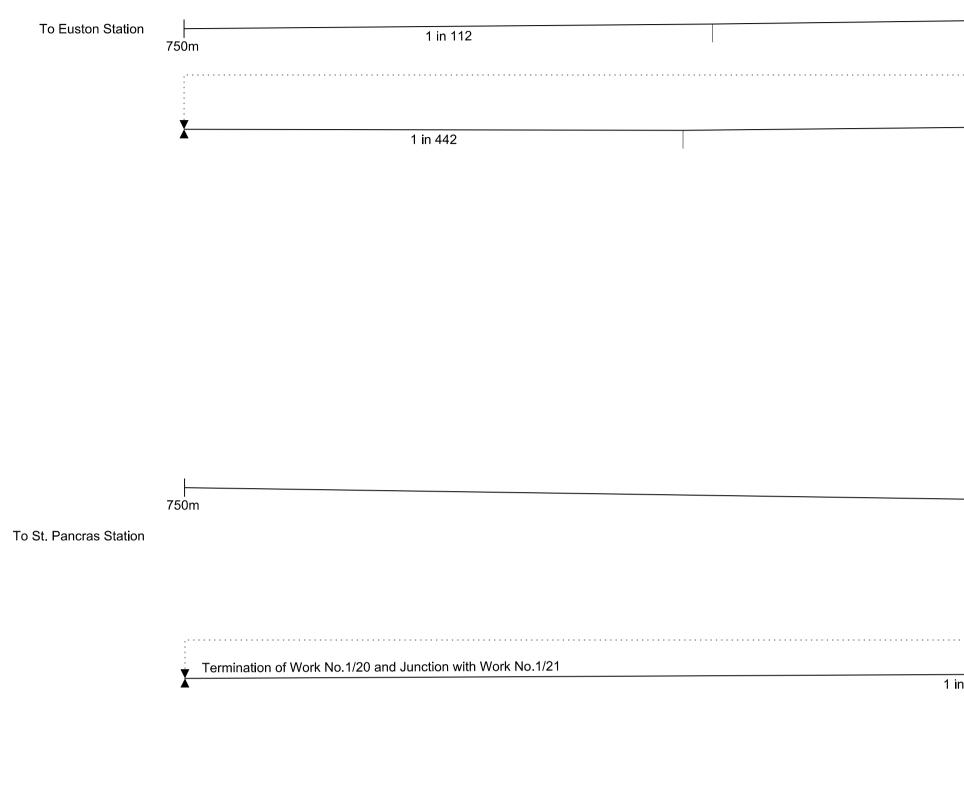
HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

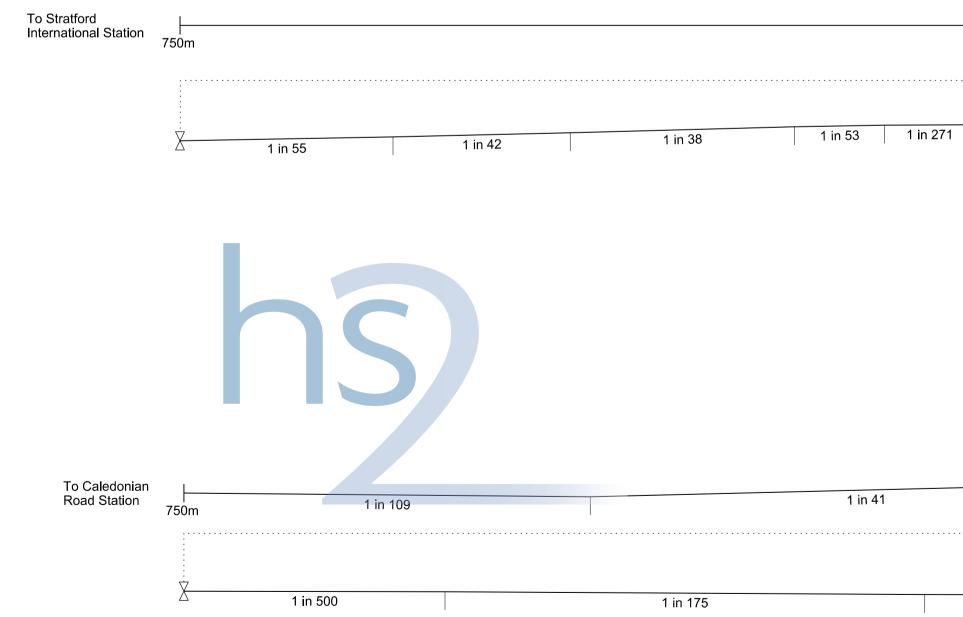
The area enclosed by any limit of deviation or by any limit of land to be acquired or used is the area extending to the outer edge of the line marking those limits

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Heartlands Parkway –

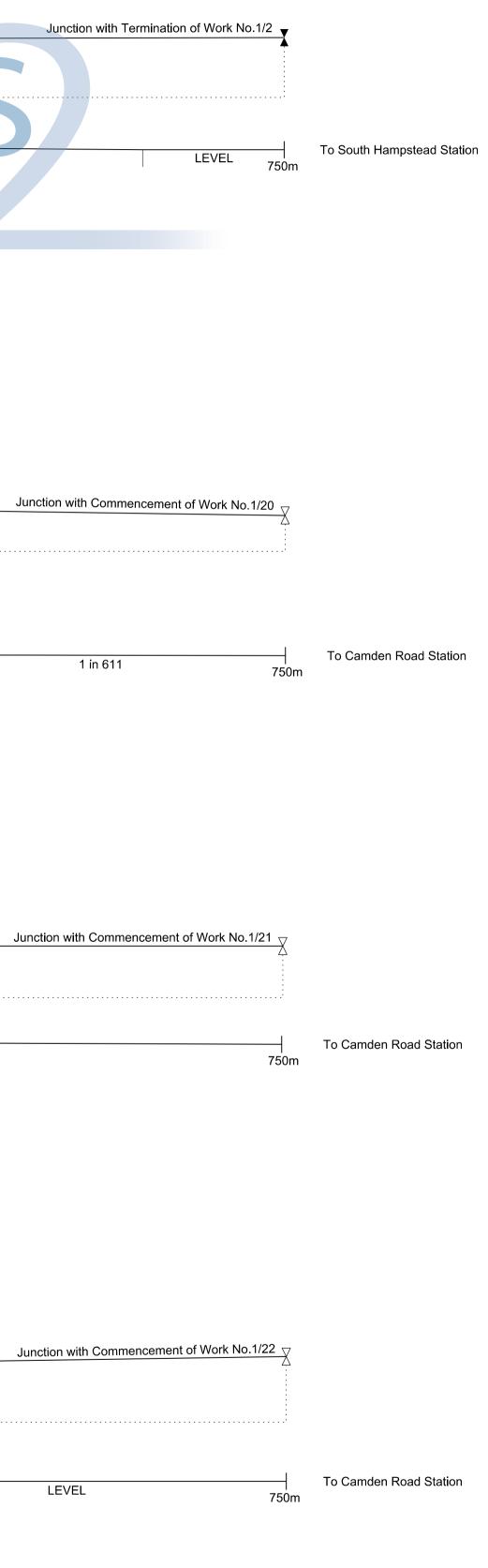


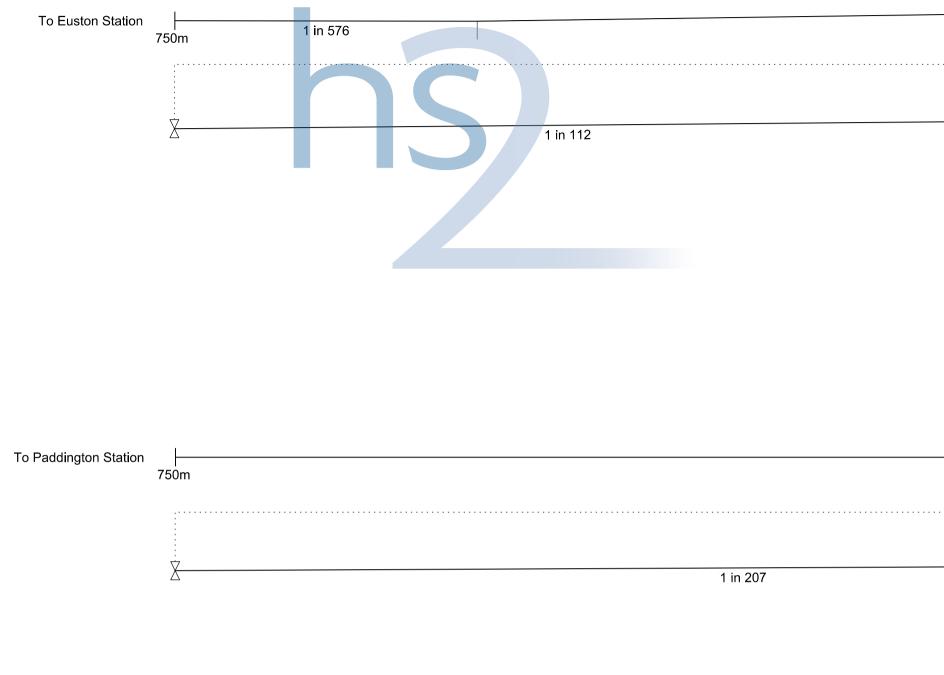


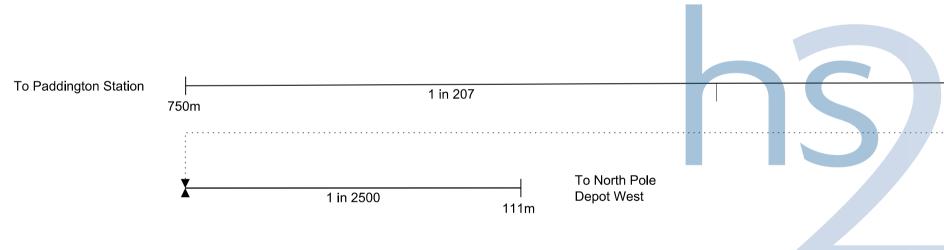
WEST COAST MAIN LINE

1 in 77					1 in 442	
1 in 96				1 in 125		
_						
HS	61 - LINK TO NORTH LO	NDON LINE				
	1 in 68					
		•	 			• • • •
Δ	1 in 68	<b>A</b>				
n 200			1	in 257	1 in 1221	
	NORTH LONDON LINE	TO HS1				
	Level					
			1 in 270			
	NORTH LONDON LINE	INCLINE				
			1 in	66		
1 in 398		1 in 310	1 in 3	521		
	Horizontal Scale 1:1	250 at 11 aiza				

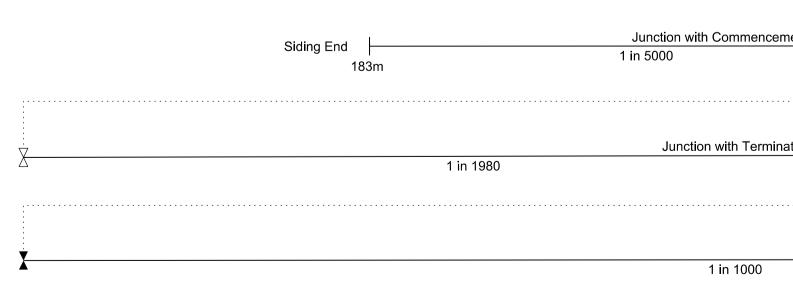
	Horizont	al Scale 1:1250 a	t A1 size	
metres 50	0	50	100	150







#### NORTH POLE DEPOT SIDINGS

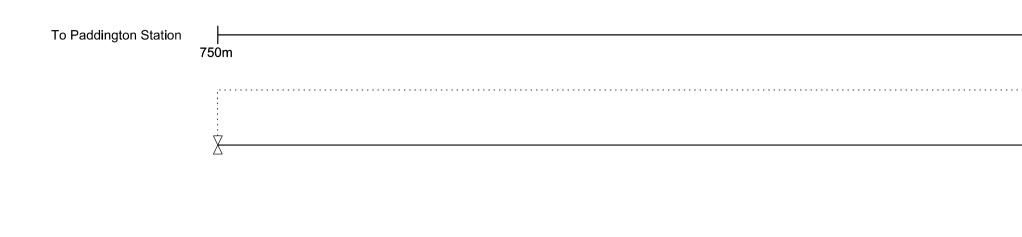


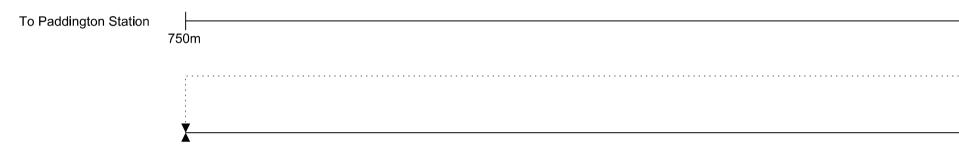
WEST COAST MAIN LINE

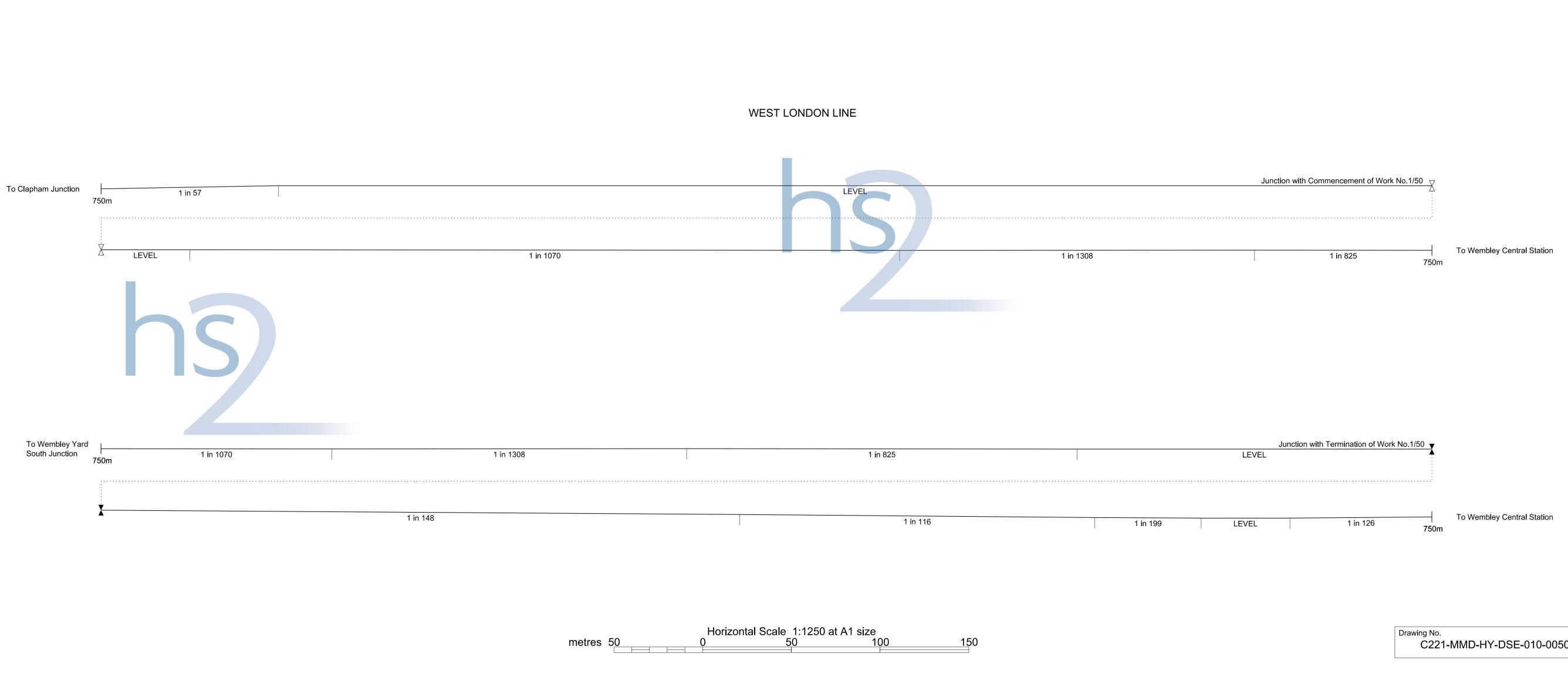
1 in 70		1 in 112	Junction with Commencement of	of Work No.1/27	
1 in 77			442		To South Hampstead Station
GREAT WESTERN MAIN	LINE				
LEVEL			Junction with Commencement of	f Work No.1/35	
	1 in 620		1 in 2515		Fo North Pole Depot West
NORTH POLE DEPOT SID	INGS				
1 in 620		1 in 2515	Junction with Termination	n of Work No.1/35	
nent of Work No.1/36					
			IS/		
ation of Work No.1/36					
		LEVEL		۲   ۲ 750m	o North Pole Depot West
Horizontal Scale 1:125 metres 5 <u>0 0 50</u>	50 at A1 size 100 150			Drawing No.	MD-HY-DSE-010-0050

150

metres 50







	LEVEL	
	LEVEL	

LEVEL		
 ·····	 	
LEVEL		

GREAT WESTERN MAIN LINE

#### REPLACEMENT SHEET No. 7 - 204

#### IN PARLIAMENT - SESSION 2015-16

#### HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION (OCTOBER 2015) GRADIENTS OF EXISTING RAILWAYS

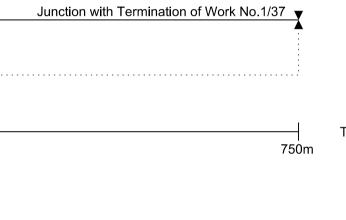
AMENDMENTS TO THIS SHEET

Section of Great Western Main Line at Junction with Termination of Work No. 1/37C added Section of Great Western Main Line at Junction with Commencement of Work No. 1/37 removed

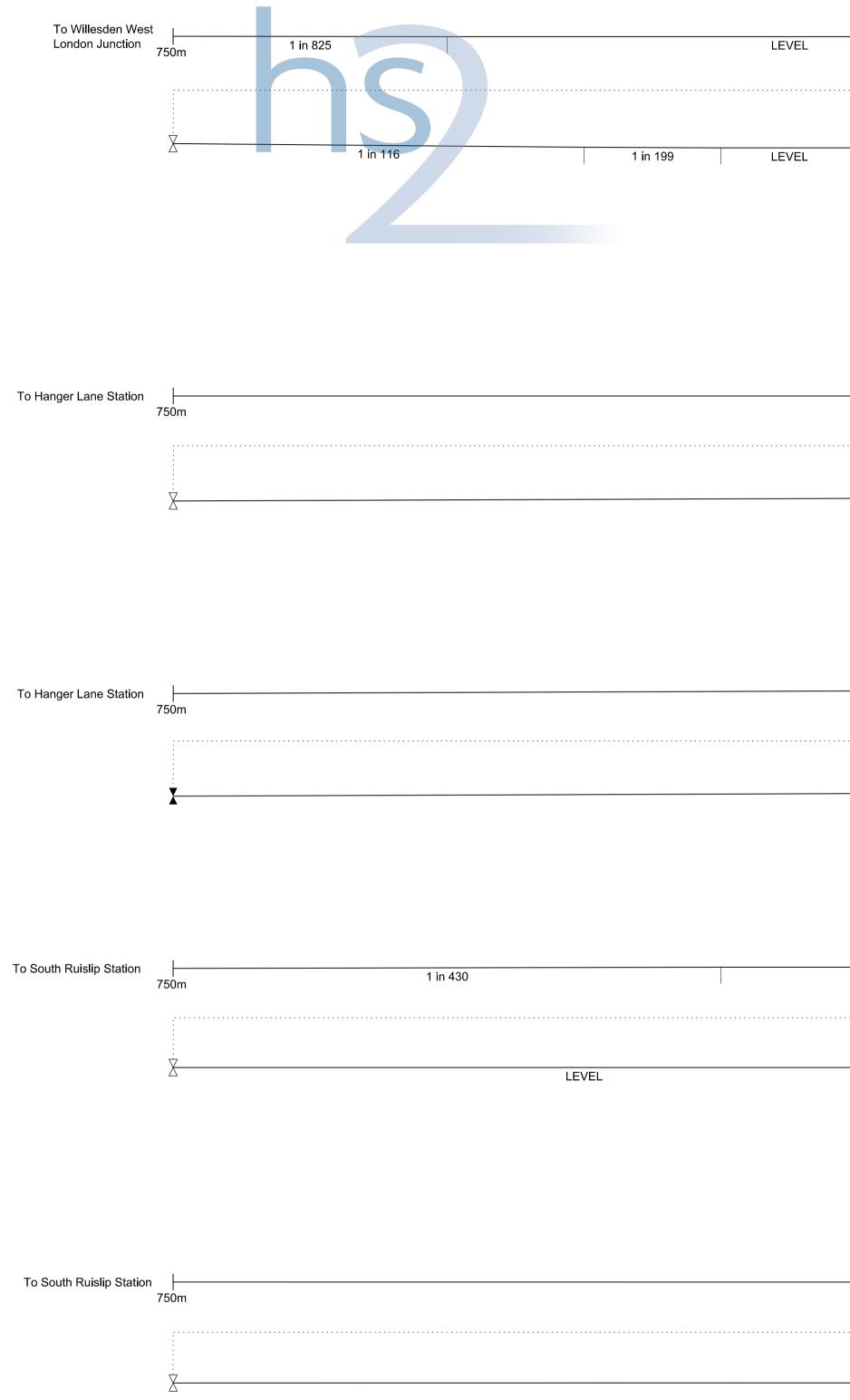
ARE AS FOLLOWS :-

Junction with Termination of Work No.1/37C 🖓 750m

To Ealing Broadway Station

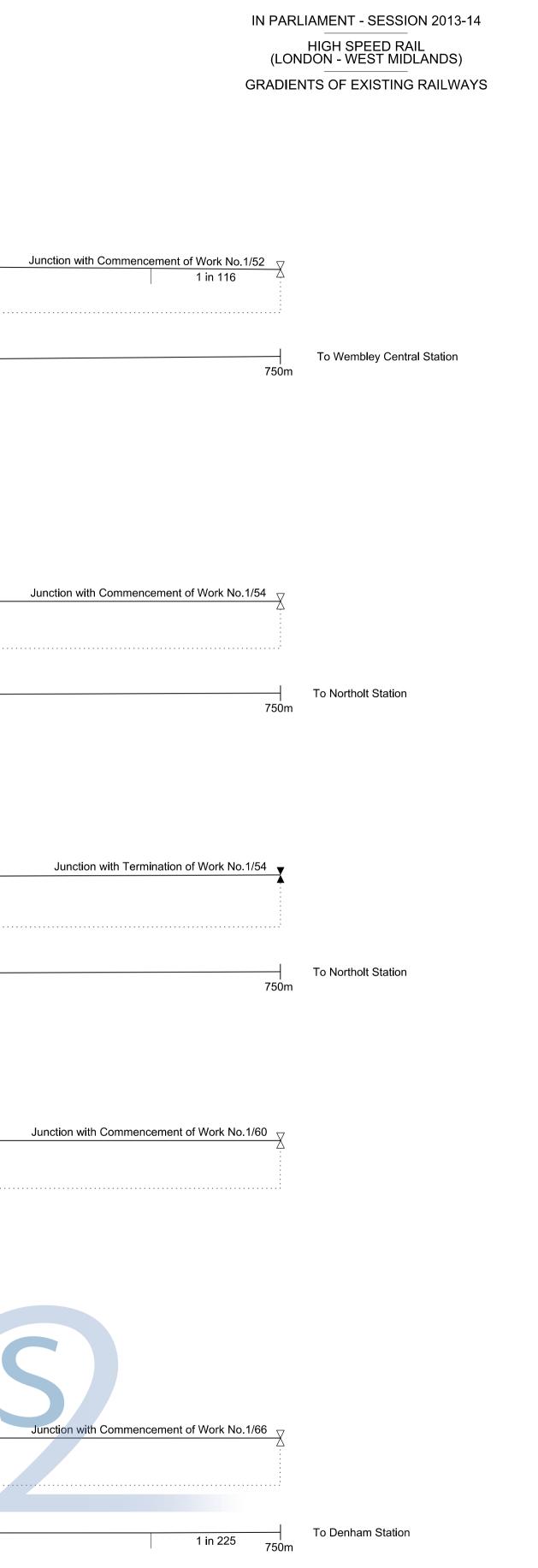


To Ealing Broadway Station

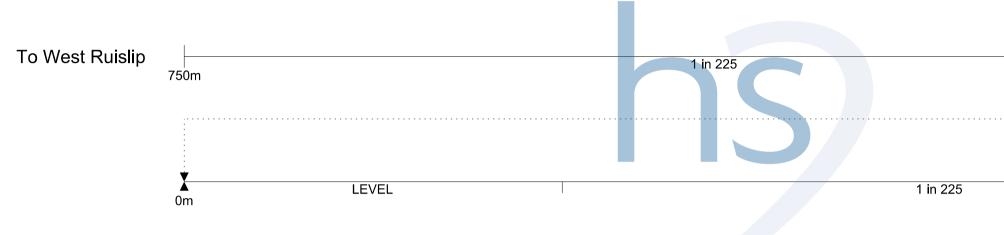


	1 in 148
1 in 126	1 in 120
WYCOMBE LIN	NE
1 in 264	
1 in 264	
1 in 264 MARYLEBONE TO AYLESBUR	RY LINE SIDINGS
To Sidings 300m	
MARYLEBONE TO AYLESE	BURY LINE
LEVEL	
LEVEL	
Horizontal Scale 1:12 metres 50 0 50	50 at A1 size

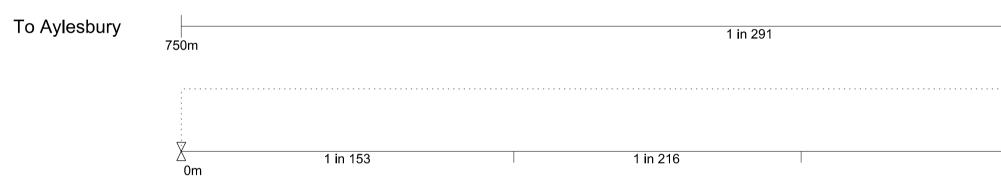
WILLESDEN RELIEF LINE



#### CHILTERN MAIN LINE



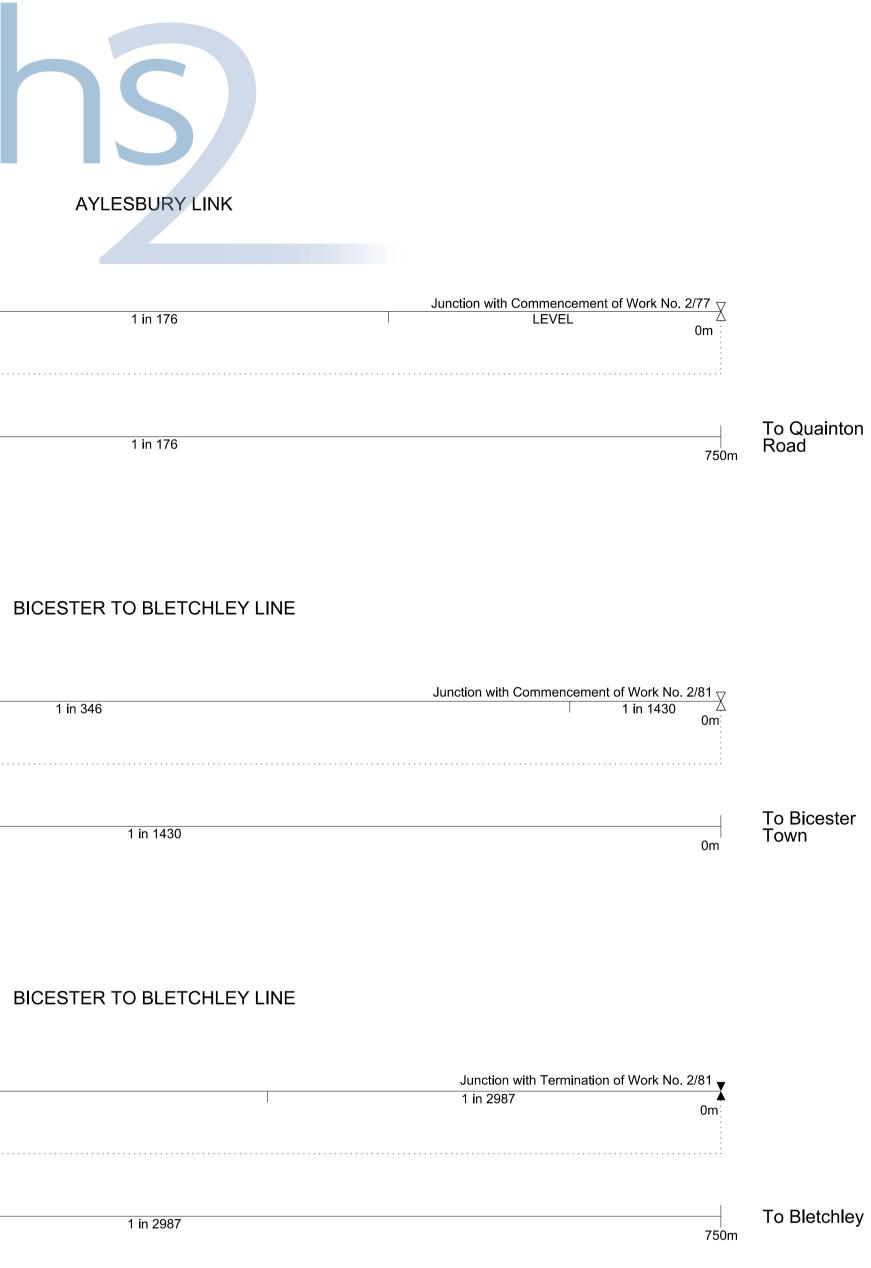
#### PRINCES RISBOROUGH TO AYLESBURY LINE



#### PRINCES RISBOROUGH TO AYLESBURY LINE

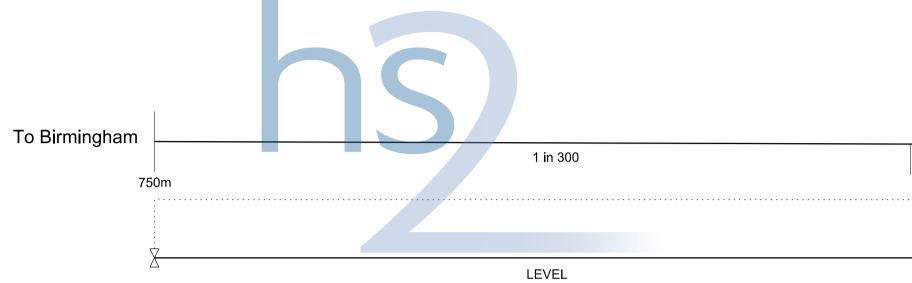


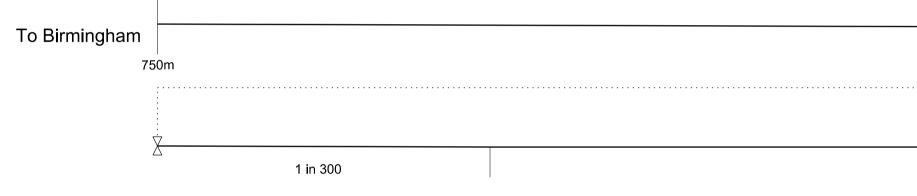
## SECTIONS



Junction with Termination of Work No. 2/1B	To Claydon Junction	750m	1 in 17
	To Denham	<u>Х</u> 0m	1 in 17
			BICESTER TO BLE
Junction with Commencement of Work No. 2/39 Om 1 in 169 750m	To Bletchley To Little Kimble	750m	1 in 346 1 in 143
			BICESTER TO BLE
Junction withTermination of Work No. 2/39 1 in 149 0m	To BicesterTown	750m	1 in 209
1 in 212 750m	To Aylesbury	X Om	1 in 298

	Horizor	ntal Scale 1:2500 at	t A1 size	
metres 100	0	100	200	300





#### BIRMINGHAM AND DERBY LINE

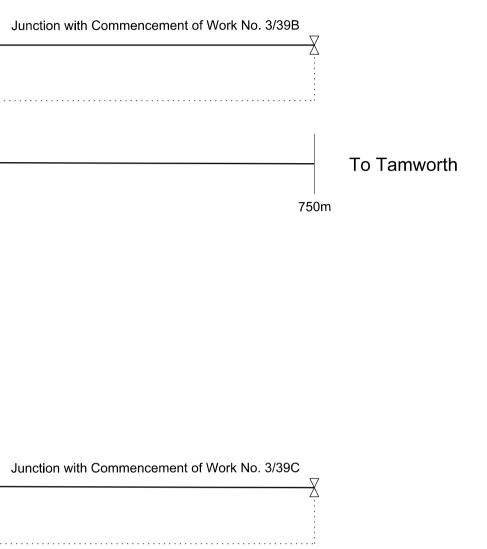
		LEVEL	
		1 in 300	
BIRMINGHAM AND DERBY LINE			
1 in 300			
	LEVEL		

scale 1:1250 at A1 size, 1:2500 at A3 size (scale as plan) metres 50 0 50 100

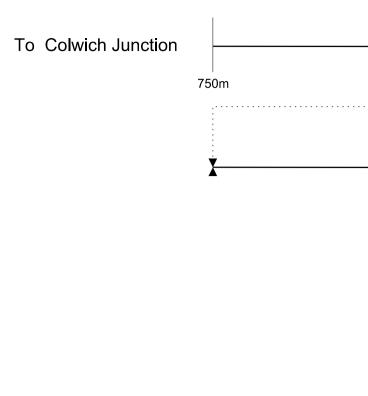
150

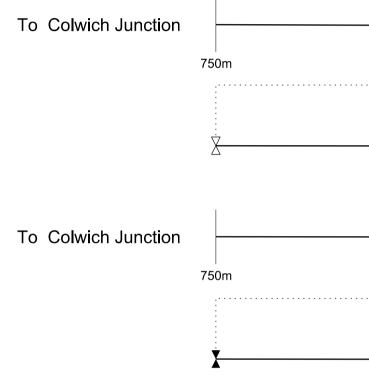
## IN PARLIAMENT - SESSION 2013-14

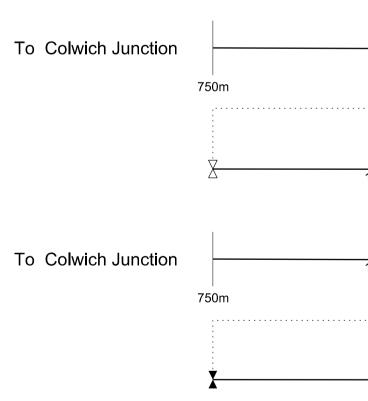
HIGH SPEED RAIL (LONDON - WEST MIDLANDS) GRADIENTS OF EXISTING RAILWAYS



To Tamworth 1 in 330 750m







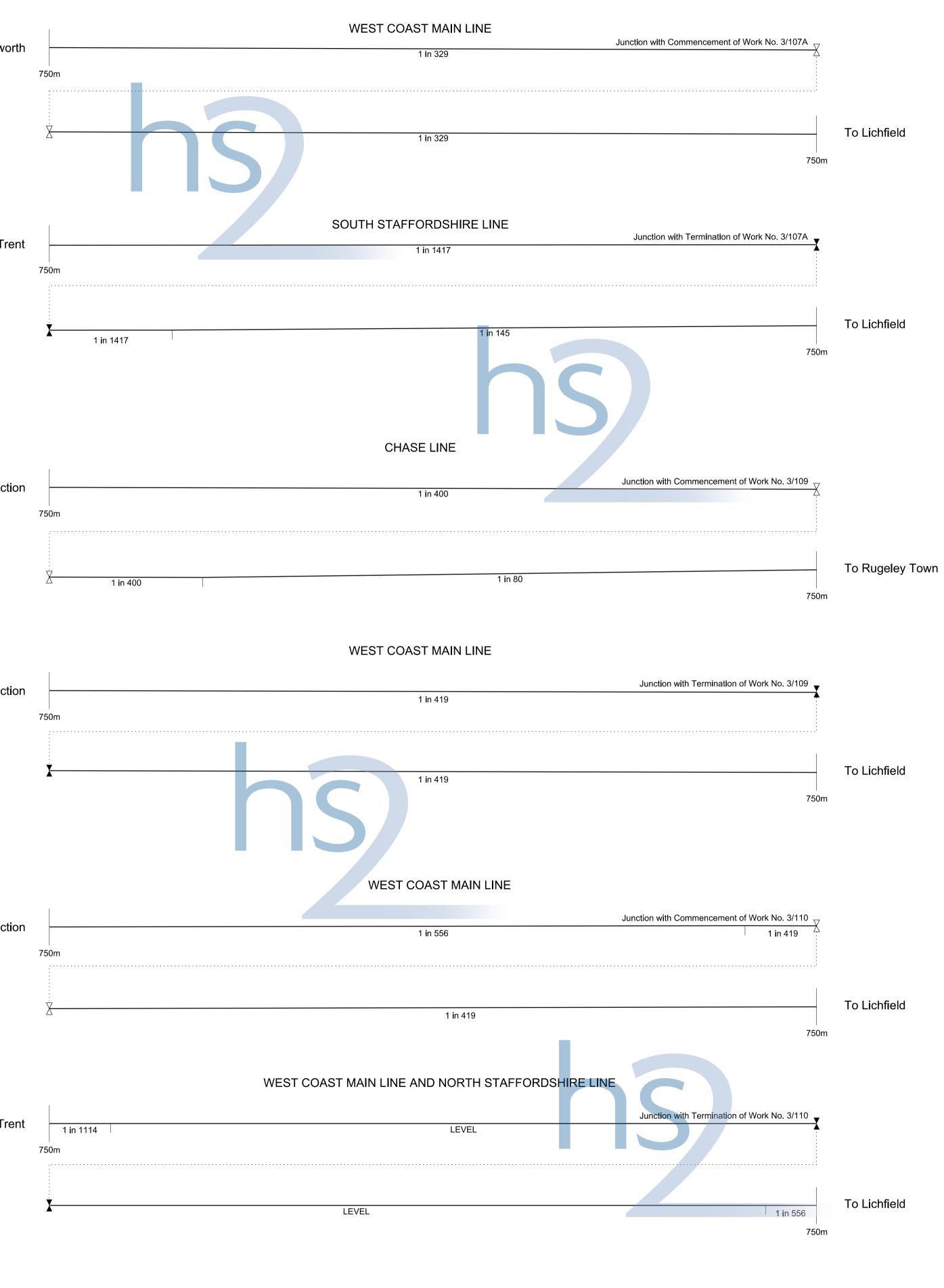
10	Convicti Guilette

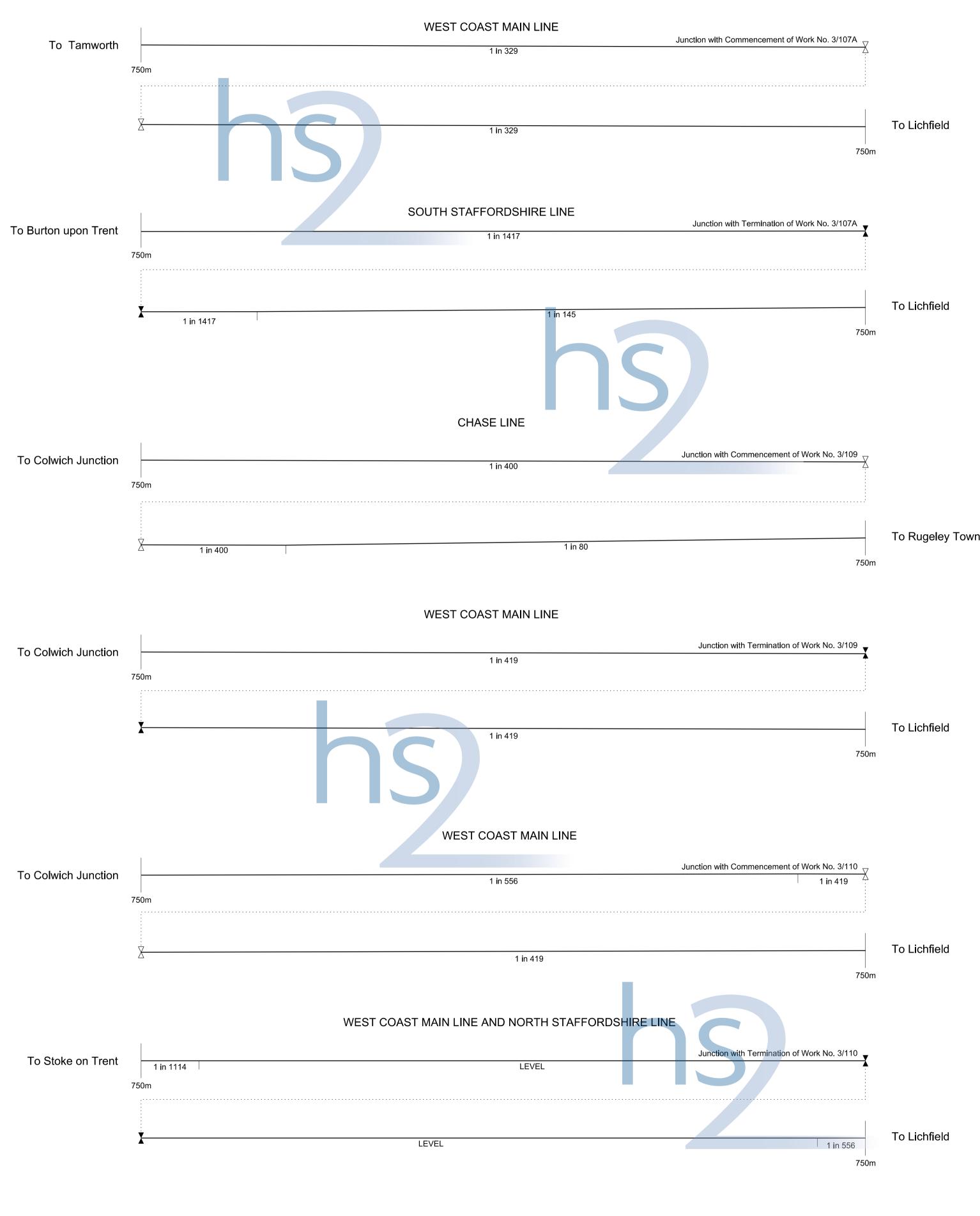
WEST COAST MAIN LINE	
1 in 879	
1 in 879 750m	To Lichfield
WEST COAST MAIN LINE	
Junction with Commencement of Work No. 3/104	
1 in 879	
1 in 879 750m	To Lichfield
Junction with Termination of Work No. 3/104	
······	
1 in 879	To Lichfield
750m	

in 879	UEST COAST MAIN LINE Junction with Commencement of Work No. 1 in 879 1 in 1555	750m	To Lichfield
in 284	Junction with Termination of Work No.	3/106	
III ∠0 <del>4</del>	1 in 879		
	41.070		To Lichfield
	1 in 879		
		750m	

300

SHEET No. 7-208



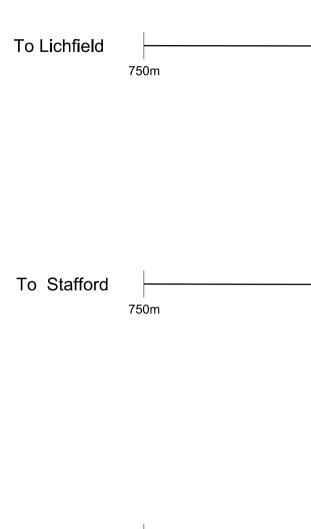


To Colwich Junction

Scale 1:2500 at A1 size, 1:5000 at A3 size (scale as plan) metres 100

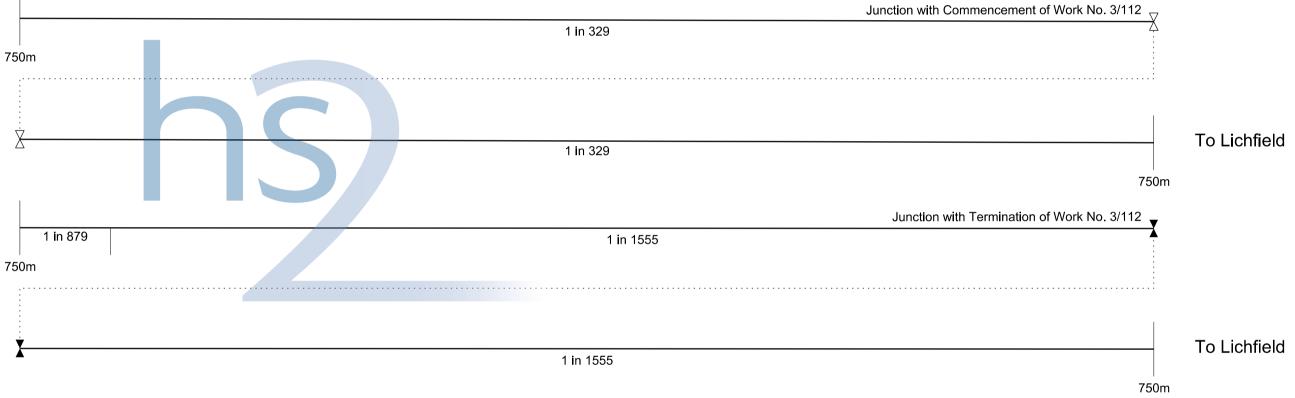
300

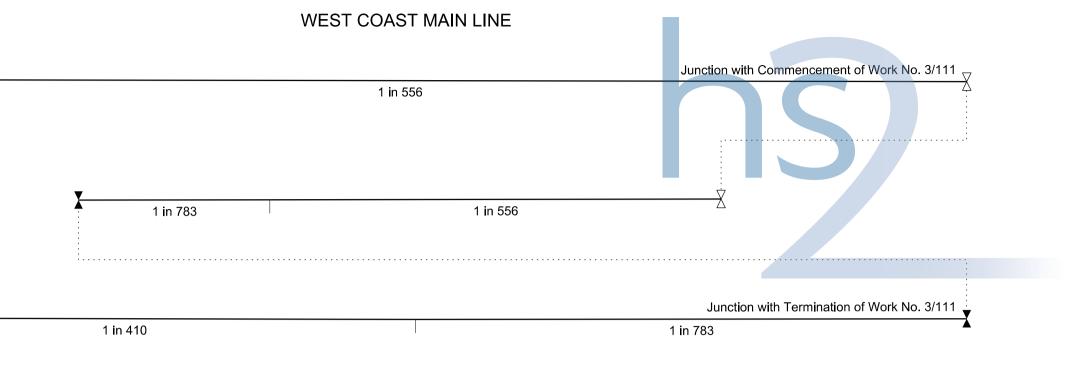
SHEET No. 7-209



To Colwich Junction
750m

To Colwich Junction

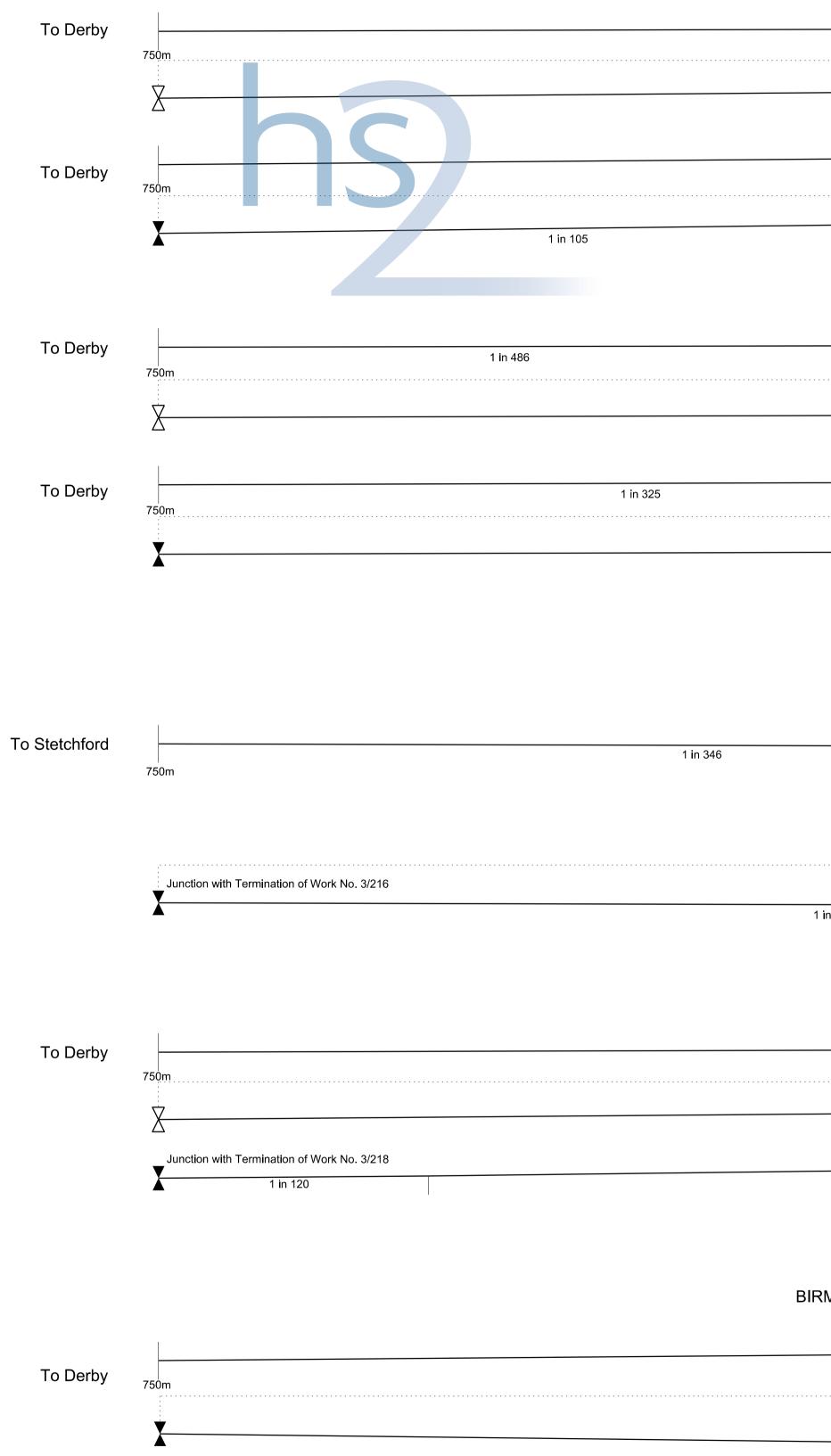




#### WEST COAST MAIN LINE

300

SHEET No. 7-210

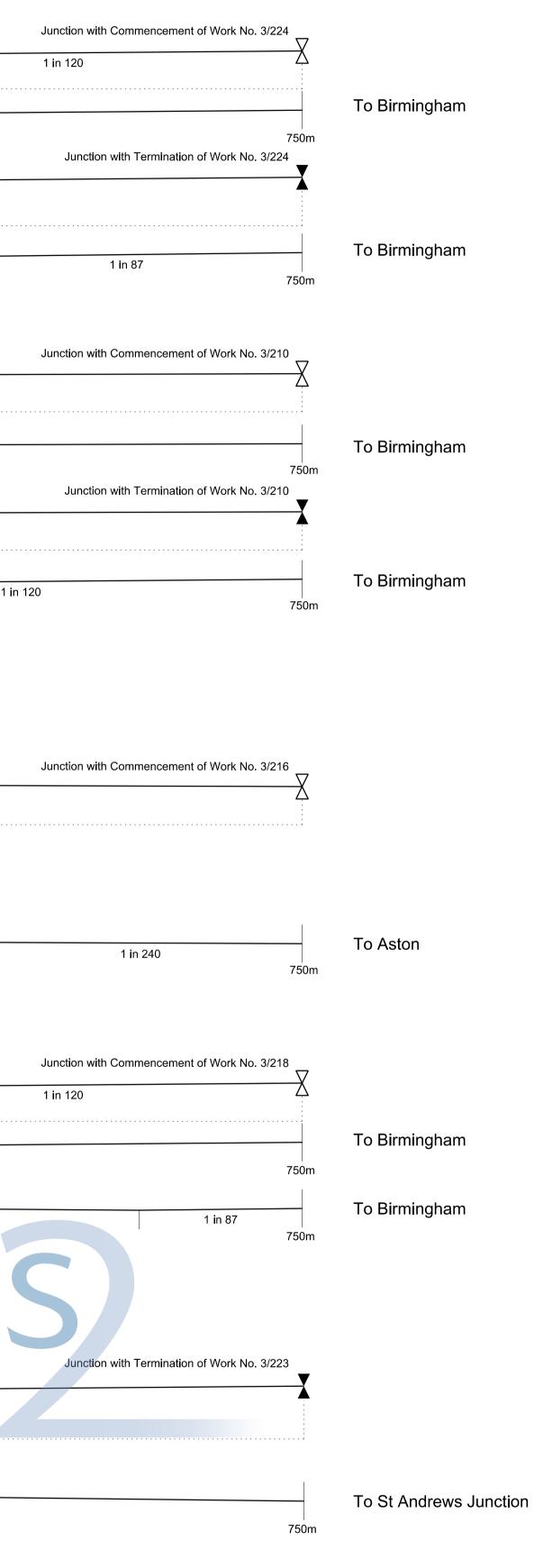


1 in 350				
	1 in 120			
	1 in 120			
		1 in 132		
				1
BIRMI	NGHAM AND DERBY LINE	1 in 325		
BIRMI	NGHAM AND DERBY LINE	1 in 325		
BIRMI	NGHAM AND DERBY LINE	1 in 325		
BIRMI	5	1 in 325	1 in 350	
BIRMI	5	1 in 325		

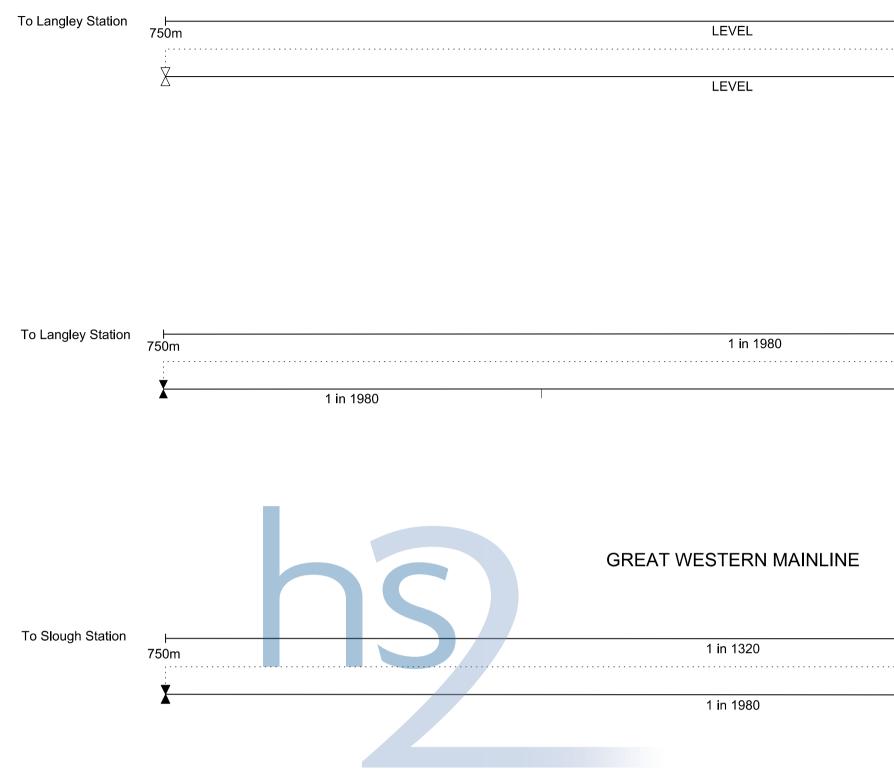
#### STETCHFORD AND ASTON LINE

	1 in 206			1 in 302	
<u></u>		_			
χ	1 in 365	X			
in 365			1 in 332		
	BIRMINGHAM AND DERB	YIINE			
1 in 350					
	••••••••••••••••••••••••••••••••••••••				
	1 in 120				
1 in 105				1 in 132	
	LINE AND LANDOR STREET JU	JNCTION TO ST ANDREWS JUNCT	ION		
	1 in 120				
	1 in 85				

	scale 1:1250 at A1 s	ize, 1:2500 at A3	size (scale as plan)	
metres 5 <u>0</u>	0	50	100	150



#### GREAT WESTERN MAINLINE



Junction	Vith Commencement of Work No.4/3	To West Drayton Station
Junctio	n with Termination of Work No.4/3	To Iver Station
LEVEL	75011	

Junction with Termination of Work No.4/5	,
	•

───I To Iver Station 750m IN PARLIAMENT - SESSION 2015-16 HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION (JULY 2015) GRADIENTS OF EXISTING RAILWAYS

		WYCOMBE SINGLE LINE		
_ane 750m		1 in 264		Junction with Commencement of Work No.1/54A
χ		1 in 264	<u>ns</u>	X
Junction with Termination o	of Work No.1/54A	1 in 264		 

IN PARLIAMENT - SESSION 2015-16 HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION (OCTOBER 2015) GRADIENT OF EXISTING RAILWAYS