

EXHIBIT LIST

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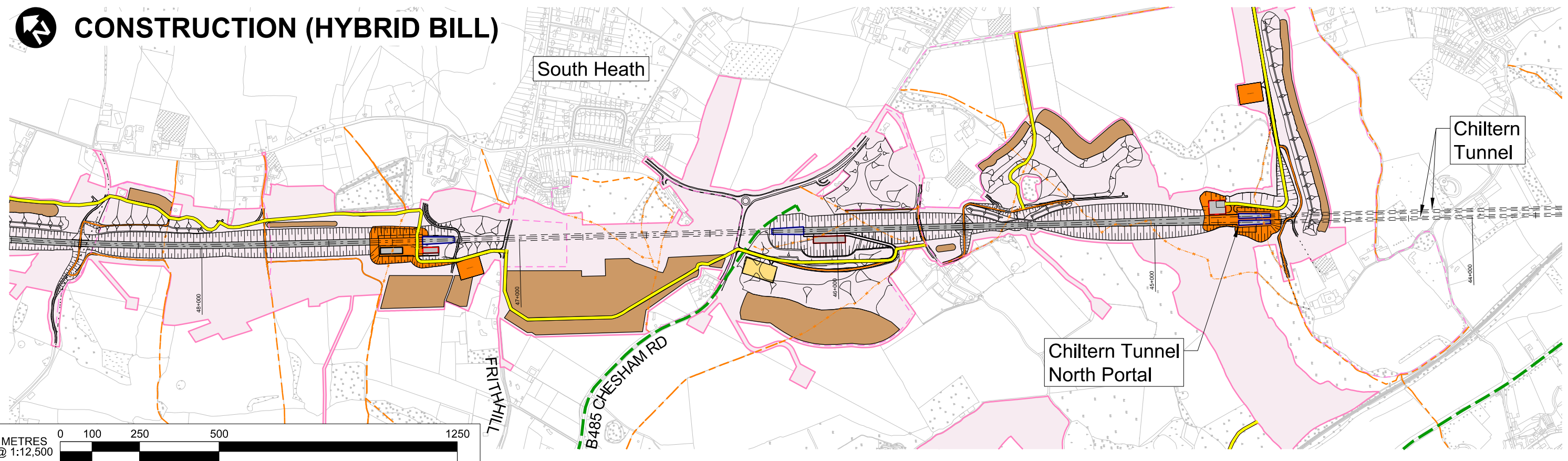
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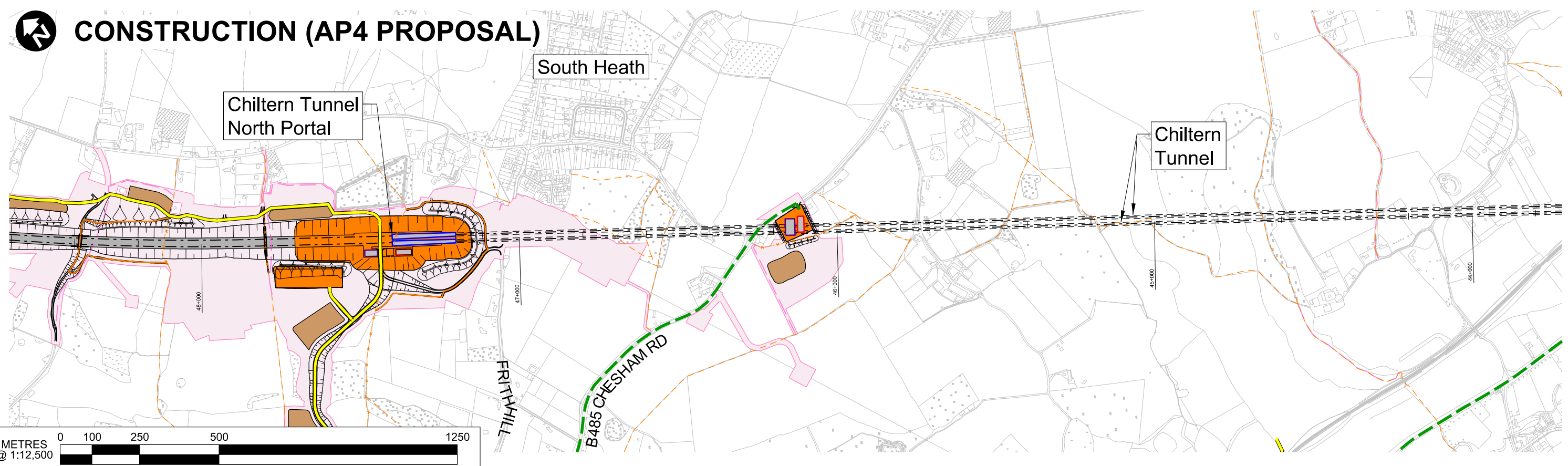
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CONSTRUCTION (HYBRID BILL)



CONSTRUCTION (AP4 PROPOSAL)



- Legends/Notes:
- Satellite construction compound
 - Main construction compound
 - Tunnel portal
 - Rail alignment formation
 - Tunnels external extent
 - Rail alignment
 - Engineering earthworks
 - Landscape earthworks
 - Land potentially required during construction
 - Temporary site access route / haul route
 - Construction traffic route
 - Existing public right of way (PRoW)
 - New, diverted or realigned PRoW
 - Stopped-up PRoW
 - Temporary PRoW
 - Temporary material stockpile



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Creator/Originator
 Atkins

Zone	Country South		Project/Contract	Country South Design	
Design Stage	DESIGN-FOR-PETITION		Discipline/Function	Environmental	
Drawing Title	C6 Extended Chiltern Tunnel		Drawn	Checked	Approved
	Hybrid Bill vs AP4 Proposal		TB		
	Date	Scale	Size		
	27/08/2015	AS SHOWN	A3		
	Drawing No.	Rev.			
	C222-ATK-EV-DPL-020-000530-PET000000	P00.1			

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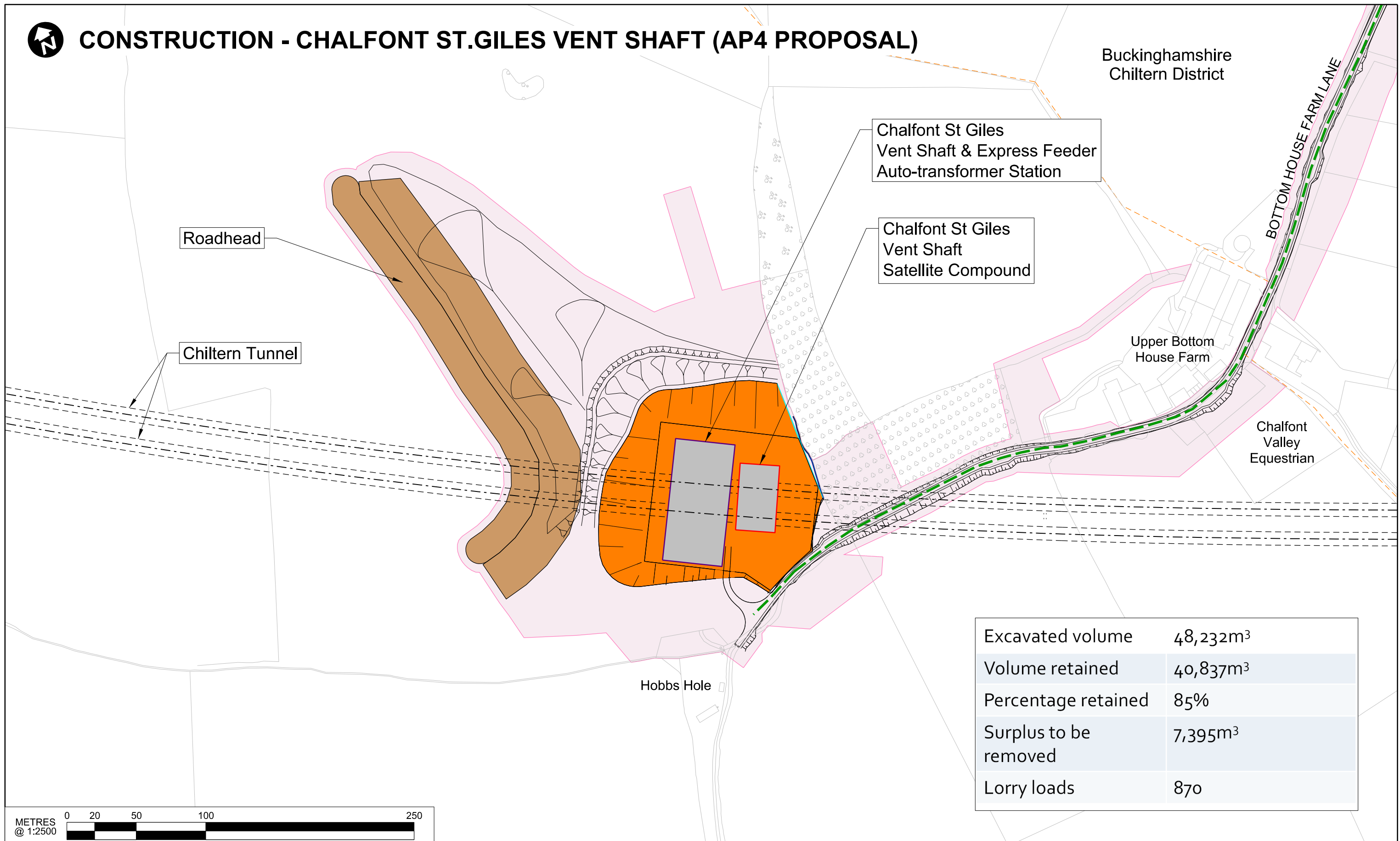
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Scale with caution as distortion can occur.

CONSTRUCTION - CHALFONT ST.GILES VENT SHAFT (AP4 PROPOSAL)

Buckinghamshire
Chiltern District



Chalfont St Giles
Vent Shaft & Express Feeder
Auto-transformer Station

Chalfont St Giles
Vent Shaft
Satellite Compound

Roadhead

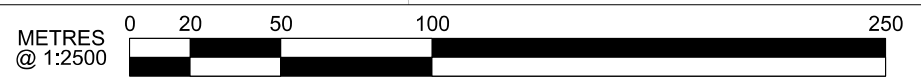
Chiltern Tunnel

Upper Bottom
House Farm

Chalfont
Valley
Equestrian

Hobbs Hole

Excavated volume	48,232m ³
Volume retained	40,837m ³
Percentage retained	85%
Surplus to be removed	7,395m ³
Lorry loads	870



P00.1					
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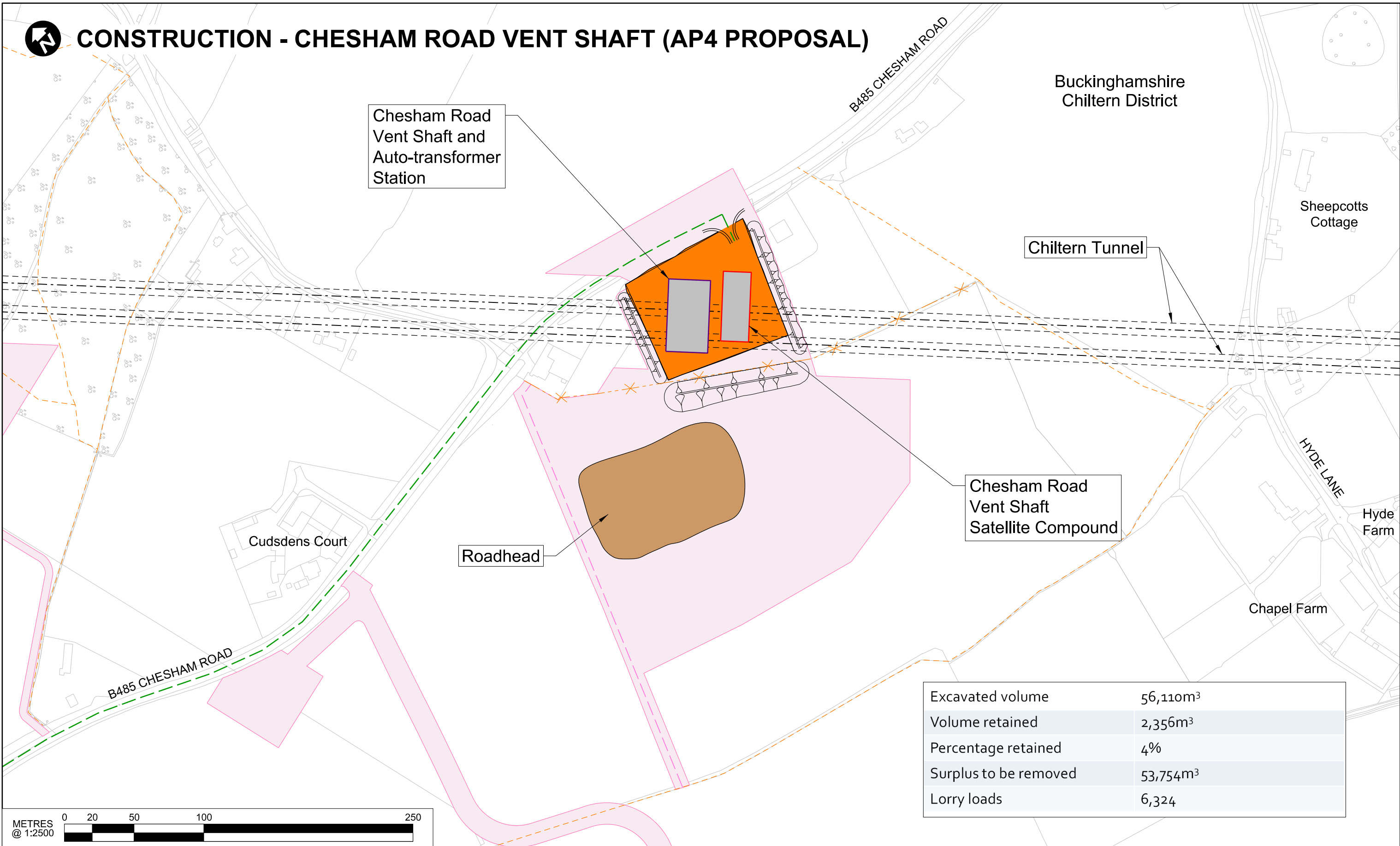
- Legends/Notes:
- Satellite construction compound
 - Main construction compound
 - Tunnel portal
 - Rail alignment formation
 - Tunnels external extent
 - Rail alignment
 - Engineering earthworks
 - Landscape earthworks
 - Land potentially required during construction
 - UT - Main utility works
 - Temporary site access route / haul route
 - Construction traffic route
 - Existing public right of way (PRoW)
 - New, diverted or realigned PRoW
 - Stopped-up PRoW
 - Temporary PRoW
 - Temporary material stockpile

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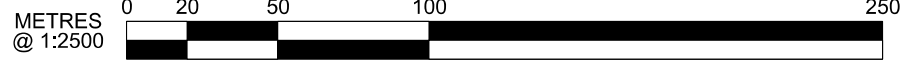
Creator/Originator
Atkins

Zone	Country South	Project/Contract			Country South Design
Design Stage	DESIGN-FOR-PETITION	Discipline/Function			Environmental
Drawing Title	Construction Phase Chalfont St.Giles Vent Shaft AP4 Proposal	Drawn	Checked	Approved	
		IE			
		Date	Scale	Size	
		26/08/2015	AS SHOWN	A1	
		Drawing No.	Rev.		
		C222-ATK-EV-DPL-020-059804-PET000000	P00.1		

CONSTRUCTION - CHESHAM ROAD VENT SHAFT (AP4 PROPOSAL)



Excavated volume	56,110m ³
Volume retained	2,356m ³
Percentage retained	4%
Surplus to be removed	53,754m ³
Lorry loads	6,324



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Description	Drawn	Checked	Con App	HS2 App					

Legends/Notes:

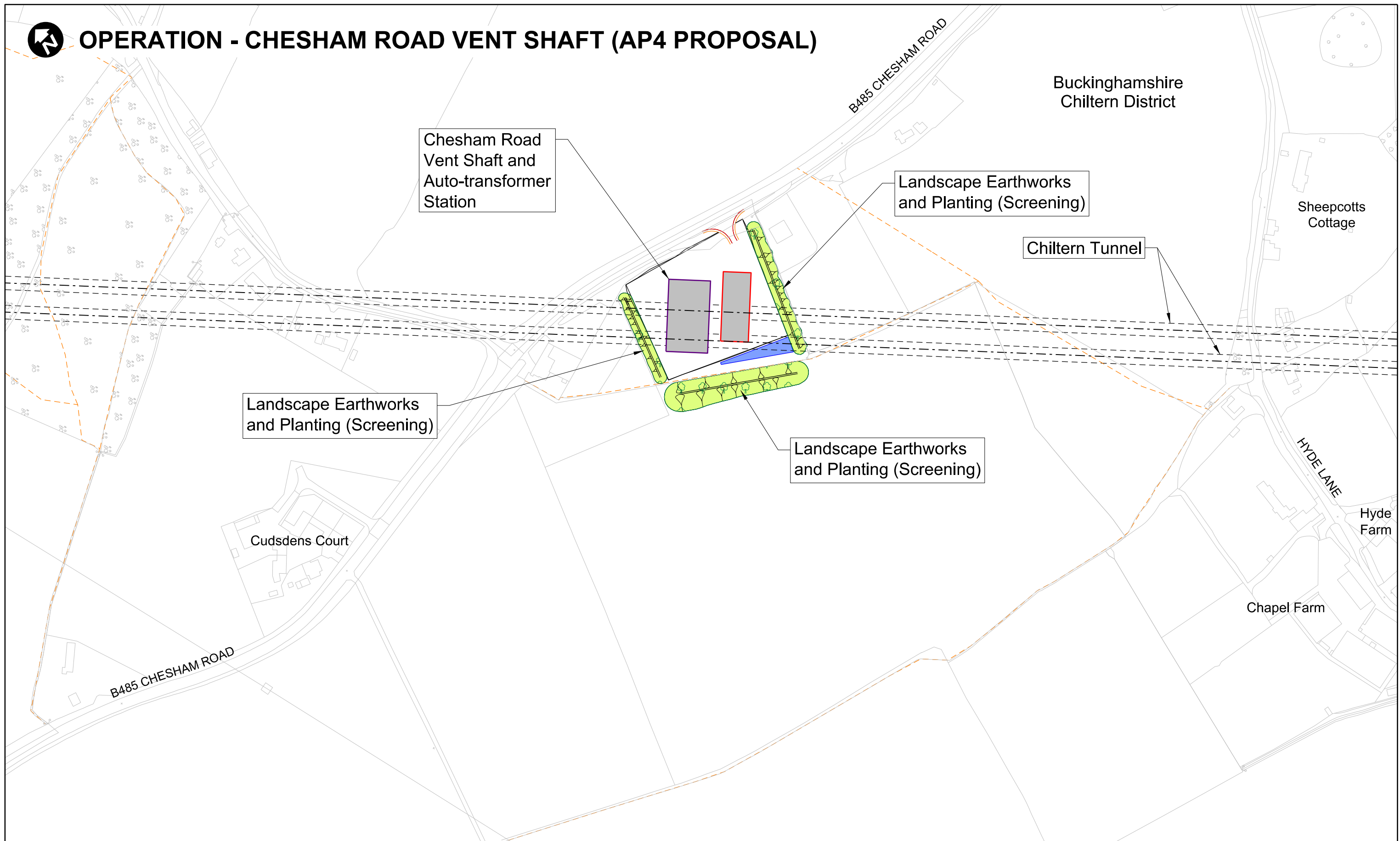
Satellite construction compound	Temporary site access route / haul route
Main construction compound	Construction traffic route
Tunnel portal	Existing public right of way (PRoW)
Rail alignment formation	New, diverted or realigned PRoW
Tunnels external extent	Stopped-up PRoW
Rail alignment	Temporary PRoW
Engineering earthworks	Temporary material stockpile
Landscape earthworks	
Land potentially required during construction	

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Zone	Country South		Project/Contract	Country South Design	
Design Stage	DESIGN-FOR-PETITION		Discipline/Function	Environmental	
Drawing Title	Construction Phase Chesham Road Vent Shaft		Drawn	Checked	Approved
	AP4 Proposal		IE		
	Date	Scale	Size		
	26/08/2015	AS SHOWN	A1		
	Drawing No.	Rev.			
	C222-ATK-EV-DPL-020-059903-PET000000	P00.1			

OPERATION - CHESHAM ROAD VENT SHAFT (AP4 PROPOSAL)



Chesham Road Vent Shaft and Auto-transformer Station

Landscape Earthworks and Planting (Screening)

Chiltern Tunnel

Landscape Earthworks and Planting (Screening)

Landscape Earthworks and Planting (Screening)

Cudsdens Court

Sheepcotts Cottage

Hyde Farm

Chapel Farm

Buckinghamshire
Chiltern District

B485 CHESHAM ROAD

HYDE LANE

B485 CHESHAM ROAD

P00.1 Description Drawn Checked Con App HS2 App	HS2 accepts no responsibility for any circumstances which arise from the reproduction of this document after alteration, amendment or abbreviation or if it is issued in part or issued incompletely in any way.				Legends/Notes: Depot, station, headhouse or portal building Tunnel portal Balancing pond Land drainage area Replacement floodplain storage Landscape mitigation planting (scrub / woodland) Grassed areas Engineering earthworks Landscape earthworks Rail alignment formation	Grassland habitat creation Tunnels external extent Rail alignment Noise fence barrier Ditches - new Hedgerow habitat creation HS2 Access road Existing public right of way (PRoW) New, diverted or realigned PRoW Stopped-up PRoW	 Registered in England Registration No. 06791686 Registered office: One Canada Square, London, E14 5AB Creator/Originator Atkins	Zone Country South		Project/Contract Country South Design	
	Design Stage DESIGN-FOR-PETITION		Discipline/Function Environmental								
	Drawing Title Proposed Scheme Chesham Road Vent Shaft AP4 Proposal		Drawn IE	Checked AS SHOWN				Approved A1			
	Date 26/08/2015		Scale AS SHOWN					Size A1			
Scale with caution as distortion can occur.								Drawing No. C222-ATK-EV-DPL-020-069903-PET000000		Rev. P00.1	

Chiltern Tunnel Extension – Option C6

Excavated material management

	Bill (AP2) scheme	Option C6
Bored tunnels	<ul style="list-style-type: none"> 2,000,000 m³ arising at south portal. All to be used as environmental mitigation on site 	<ul style="list-style-type: none"> 2,350,000 m³ arising at south portal 2,000,000 m³ to be used as environmental mitigation on site. 350,000 m³ to be transported away by road
Green tunnel / vent shafts / cuttings	<ul style="list-style-type: none"> 177,622 m³ arising at vent shafts with surplus of 105,083 m³ to be transported away by road 703,586 m³ arising at South Heath Green Tunnel 2,765,856 m³ arising from cuttings 	<ul style="list-style-type: none"> 233,732 m³ arising at vent shafts with surplus of 160,923 m³ to be transported away by road 2,290,000 m³ arising from cuttings
Additional mass haul movements	<ul style="list-style-type: none"> 285,000 m³ transported by road from B485 Chesham Road roadhead to disposal 649,140 m³ transported by road from Rocky Lane roadhead to B4009 Nash Lee Road roadhead Balance of material arising is transported within the site. 	<ul style="list-style-type: none"> 325,000 m³ transported by road from Rocky Lane roadhead to B4009 Nash Lee Road roadhead 325,000 m³ transported by road from South Heath north portal roadhead (via direct access to A413) to B4009 Nash Lee Road roadhead Balance of material arising is transported within the site.

Chiltern Tunnel Extension: Environmental Benefits (CFAg)

Topic	Bill scheme	Extension to NW South Heath
Agriculture		
Best and most versatile land (permanent land required)	78ha	44 ha
Holdings significantly affected (temporary)	15no	7no
Holdings significantly affected (permanent)	7no	5no
Cultural Heritage		
Significant effects on assets (permanent)	12 assets	2assets
Ecology		
Ancient Woodland Lost	9ha	0ha
Important hedgerows lost	2.1km	1.9km
Hazel dormouse significant effect	Yes	None
Bat assemblages significant effect	Yes	None

Chiltern Tunnel Extension: Environmental Benefits (CFAg)

Topic	Bill scheme	Extension to NW South Heath
Landscape and Visual <u>Construction</u> Landscape Effects Visual Effects (major adverse)	Major adverse 14 viewpoints	Moderate adverse 7 viewpoints
<u>Operation</u> Landscape Effects Visual Effects	Moderate adverse (Mantles Wood and S Heath portal) No residual effects (after 15 years)	Not significant (Mantles Wood) Moderate adverse (S Heath portal) No residual effects (after 15 years)
Sound Noise and Vibration <u>Construction</u> Properties significant effects Construction traffic significant effects	50 properties (South Heath) South Heath	0 properties No significant effects
<u>Operation</u> Community level significant effects	Hyde Lane, South Heath, Potters Row	No significant effects
Traffic and Transport Construction Routes Road Heads Highways	Includes Hyde Heath Road, Potter Row, Kings Lane and Potter Row Rocky Lane Realignment of Chesham Road and Kings Lane	These routes are not used Rocky Lane and new A 413 link road Realignments not required
Water Resources Groundwater and public water supplies during construction	Risk to quality of public water supplies from turbidity	Additional 1km of tunnel in SPZ but risk remains the same

Compound traffic routes indicated on this map only refer to those compounds included within the area shown and do not indicate routes to compounds within adjacent sections of the proposed scheme.

Routes shown are HGV routes only.

Colne Valley viaduct laydown satellite compound	
Start Date	2019
Duration of Use	2 Years 3 Months
Duration of Busy Movements	26 Months
Peak daily vehicles Cars & LGV	10-20
Peak daily vehicles HGV	10-20

Colne Valley viaduct jetty storage satellite compound	
Start Date	2018
Duration of Use	2 Years 9 Months
Duration of Busy Movements	29 Months
Peak daily vehicles Cars & LGV	10-20
Peak daily vehicles HGV	10-20

Colne Valley viaduct main compound	
Start Date	2017
Duration of Use	5 Years 3 Months
Duration of Busy Movements	47 Months
Peak daily vehicles Cars & LGV	70-120
Peak daily vehicles HGV	10-20

Chiltern tunnel main compound(civil engineering)/Chiltern tunnel south portal (rail systems)	
Start Date	2017
Duration of Use	8 Years
Duration of Busy Movements	17 Months
Peak daily vehicles Cars & LGV	350-430
Peak daily vehicles HGV	490-1050

Colne Valley viaduct north embarkment satellite compound	
Start Date	2017
Duration of Use	4 Years
Duration of Busy Movements	14 Months
Peak daily vehicles Cars & LGV	210-260
Peak daily vehicles HGV	10-20

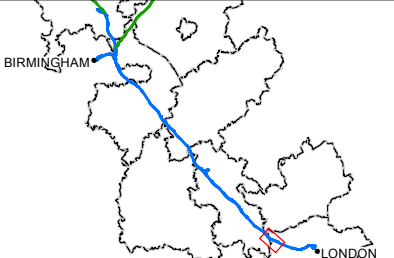
Colne Valley viaduct north launch satellite compound	
Start Date	2017
Duration of Use	2 Years 9 Months
Duration of Busy Movements	23 Months
Peak daily vehicles Cars & LGV	50-60
Peak daily vehicles HGV	50-60

Colne Valley viaduct storage satellite compound	
Start Date	2017
Duration of Use	3 Years 9 Months
Duration of Busy Movements	41 Months
Peak daily vehicles Cars & LGV	50-60
Peak daily vehicles HGV	20-30

Legend

- Construction compounds
- Route in tunnel
- Mass haul traffic route
- Route on surface
- Compound traffic routes

Description Key	
Start Date	Indicative start/set up date.
Duration of Use	Estimated duration of use (years).
Duration of Busy Movements	Estimated duration with busy vehicle movements (months).
Peak daily vehicles Cars & LGV	Average daily combined two-way vehicle trips during busy period and within peak month of activity.
Peak daily vehicles HGV	



High Speed Two
Colne Valley Construction Compound
Routes and Vehicle Numbers
(AP4)

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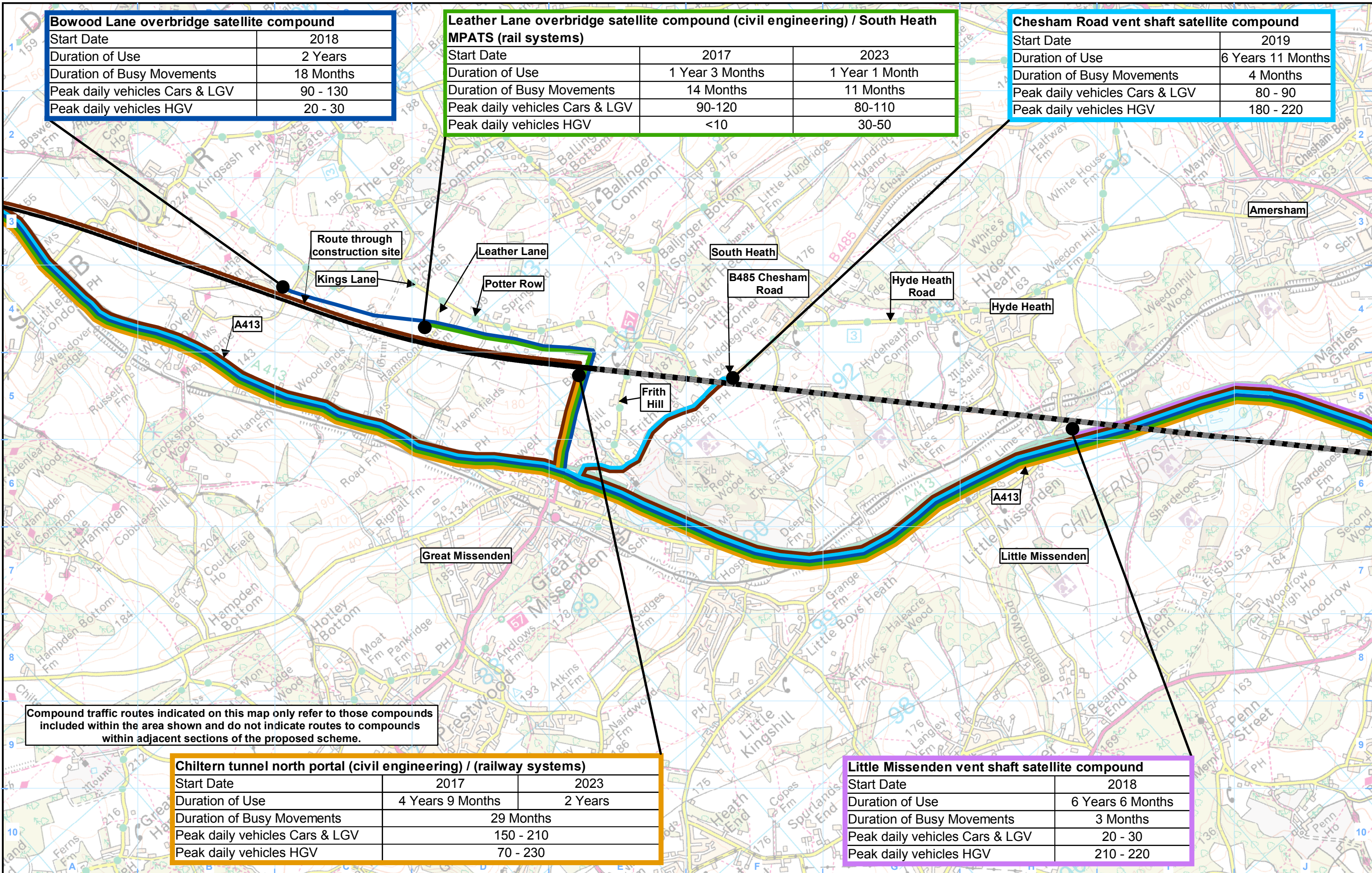
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Bowood Lane overbridge satellite compound	
Start Date	2018
Duration of Use	2 Years
Duration of Busy Movements	18 Months
Peak daily vehicles Cars & LGV	90 - 130
Peak daily vehicles HGV	20 - 30

Leather Lane overbridge satellite compound (civil engineering) / South Heath MPATS (rail systems)		
Start Date	2017	2023
Duration of Use	1 Year 3 Months	1 Year 1 Month
Duration of Busy Movements	14 Months	11 Months
Peak daily vehicles Cars & LGV	90-120	80-110
Peak daily vehicles HGV	<10	30-50

Chesham Road vent shaft satellite compound	
Start Date	2019
Duration of Use	6 Years 11 Months
Duration of Busy Movements	4 Months
Peak daily vehicles Cars & LGV	80 - 90
Peak daily vehicles HGV	180 - 220



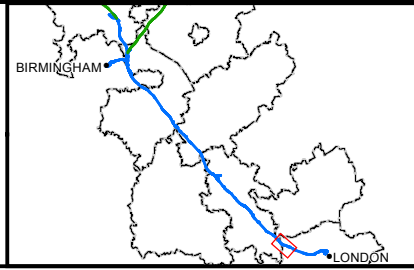
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Chiltern tunnel north portal (civil engineering) / (railway systems)		
Start Date	2017	2023
Duration of Use	4 Years 9 Months	2 Years
Duration of Busy Movements	29 Months	
Peak daily vehicles Cars & LGV	150 - 210	
Peak daily vehicles HGV	70 - 230	

Little Missenden vent shaft satellite compound	
Start Date	2018
Duration of Use	6 Years 6 Months
Duration of Busy Movements	3 Months
Peak daily vehicles Cars & LGV	20 - 30
Peak daily vehicles HGV	210 - 220

- Legend**
- Construction compounds
 - Route in tunnel
 - Mass haul traffic route
 - Route on surface
 - Compound traffic routes

Description Key	
Start Date	Indicative start/set up date.
Duration of Use	Estimated duration of use (years).
Duration of Busy Movements	Estimated duration with busy vehicle movements (months).
Peak daily vehicles Cars & LGV	Average daily combined two-way vehicle trips during busy period and within peak month of activity.
Peak daily vehicles HGV	



High Speed Two
Central Chilterns Construction
Compound Routes and
Vehicle Numbers (AP4)

Petitioner
Petition number

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B4009 Nash Lee Road overbridge satellite compound (civil engineering) / (rail systems)	
Start Date	2018
Duration of Use	7 Years
Duration of Busy Movements	15 Months
Peak daily vehicles Cars & LGV	10-20
Peak daily vehicles HGV	310-450

Wendover green tunnel (north) satellite compound	
Start Date	2018
Duration of Use	2 Years 6 Months
Duration of Busy Movements	26 Months
Peak daily vehicles Cars & LGV	70-90
Peak daily vehicles HGV	40-50

Wendover green tunnel (south) satellite compound (civil engineering) / Wendover Green tunnel (south portal) satellite compound (rail systems)		
Start Date	2017	2023
Duration of Use	2 Years 9 Months	1 Year 3 Months
Duration of Busy Movements	32 Months	
Peak daily vehicles Cars & LGV	80-100	
Peak daily vehicles HGV	40-50	

Small Dean viaduct launch satellite compound	
Start Date	2018
Duration of Use	2 Years
Duration of Busy Movements	22 Months
Peak daily vehicles Cars & LGV	80-90
Peak daily vehicles HGV	20-30

Small Dean viaduct main compound	
Start Date	2017
Duration of Use	4 Years 3 Months
Duration of Busy Movements	42 Months
Peak daily vehicles Cars & LGV	110-140
Peak daily vehicles HGV	10-20

Risborough Road satellite compound	
Start Date	2017
Duration of Use	3 Years
Duration of Busy Movements	19 Months
Peak daily vehicles Cars & LGV	140-190
Peak daily vehicles HGV	10-20

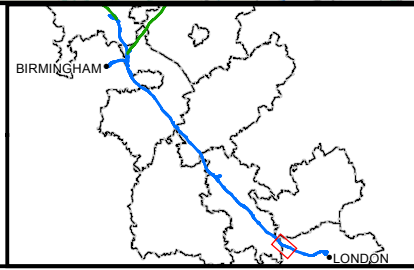
Rocky Lane underbridge satellite compound (civil engineering) / Wendover auto-transformer station satellite compound (rail systems)	
Start Date	2018
Duration of Use	6 Years 9 Months
Duration of Busy Movements	20 Months
Peak daily vehicles Cars & LGV	30-90
Peak daily vehicles HGV	140-230

Wendover Dean viaduct satellite compound	
Start Date	2018
Duration of Use	2 Years
Duration of Busy Movements	19 Months
Peak daily vehicles Cars & LGV	40-50
Peak daily vehicles HGV	20-30

Compound traffic routes indicated on this map only refer to those compounds included within the area shown and do not indicate routes to compounds within adjacent sections of the proposed scheme.

- Legend**
- Construction compounds
 - Route in tunnel
 - Mass haul traffic route
 - Route on surface
 - Compound traffic routes

Description Key	
Start Date	Indicative start/set up date.
Duration of Use	Estimated duration of use (years).
Duration of Busy Movements	Estimated duration with busy vehicle movements (months).
Peak daily vehicles Cars & LGV	Average daily combined two-way vehicle trips during busy period and within peak month of activity.
Peak daily vehicles HGV	



High Speed Two
Dunsmore and Wendover
Compound Routes and Vehicle Numbers
(AP4)

Petitioner
Petition number

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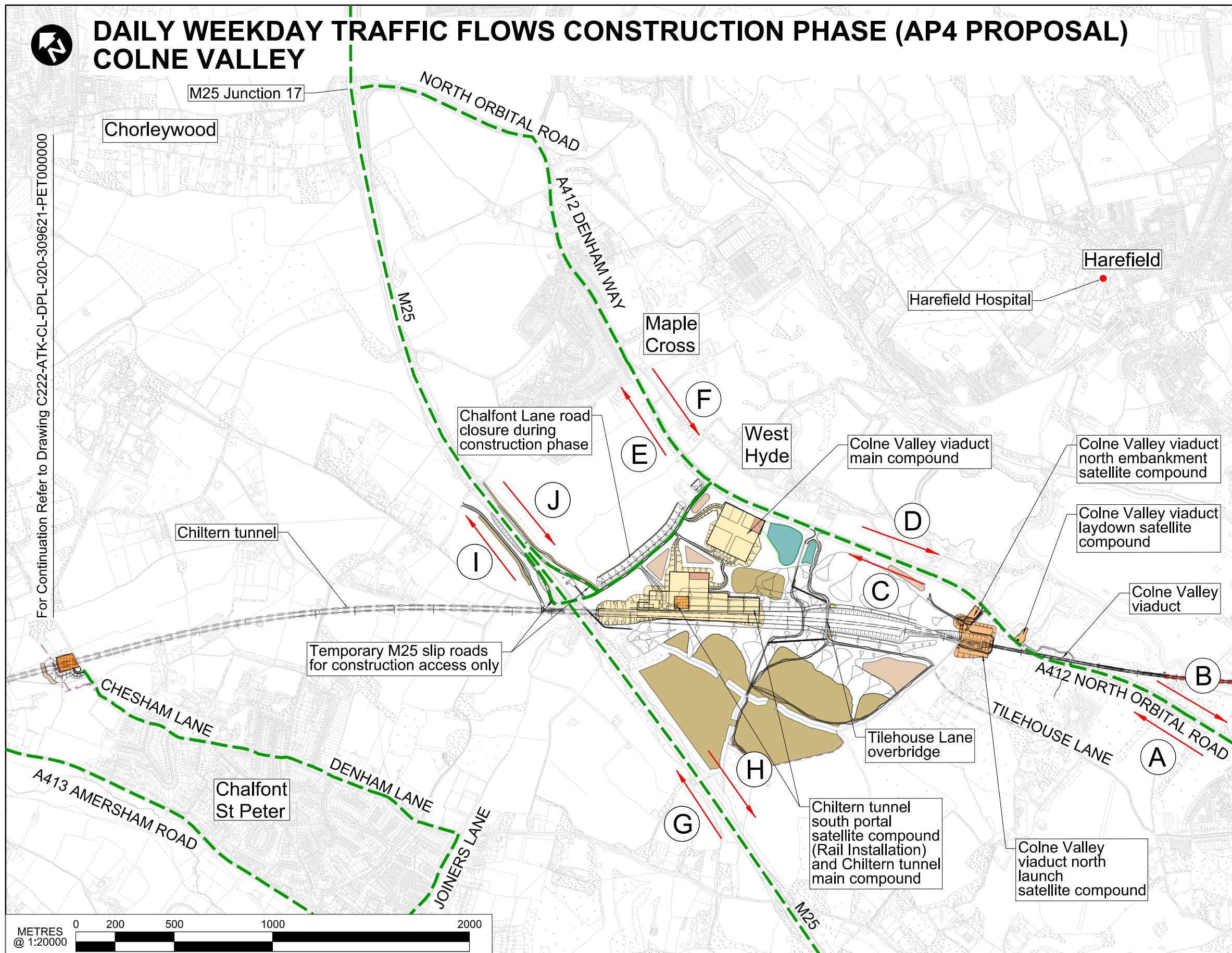
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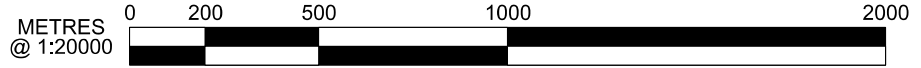
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DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE (AP4 PROPOSAL) COLNE VALLEY



A412 Denham Way / North Orbital Road (between satellite compounds and Denham Green Lane)					
A	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	4285	290	4575	7%
	HGVs	108	11	120	10%
A412 Denham Way / North Orbital Road (between satellite compounds and Denham Green Lane)					
B	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	5146	494	5641	10%
	HGVs	131	14	145	11%
A412 Denham Way / North Orbital Road (north of satellite compounds)					
C	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	4285	291	4576	7%
	HGVs	108	48	156	44%
A412 Denham Way / North Orbital Road (north of satellite compounds)					
D	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	5146	496	5642	10%
	HGVs	131	50	181	39%
A412 Denham Way / North orbital Road					
E	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	5924	142	6067	2%
	HGVs	219	0	219	0%
A412 Denham Way / North orbital Road					
F	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	5348	142	5491	3%
	HGVs	290	0	290	0%
M25 J17 to J16 (south of temp slip roads)					
G	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	57120	28	57148	0%
	HGVs	7384	523	7908	7%
M25 J16 to J17 (south of temp slip roads)					
H	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	52556	28	52585	0%
	HGVs	5671	523	6195	9%
M25 temp slip roads					
I	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	0	0	0	N/A
	HGVs	0	572	572	N/A
M25 temp slip roads					
J	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	0	0	0	N/A
	HGVs	0	572	572	N/A



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Legends/Notes:

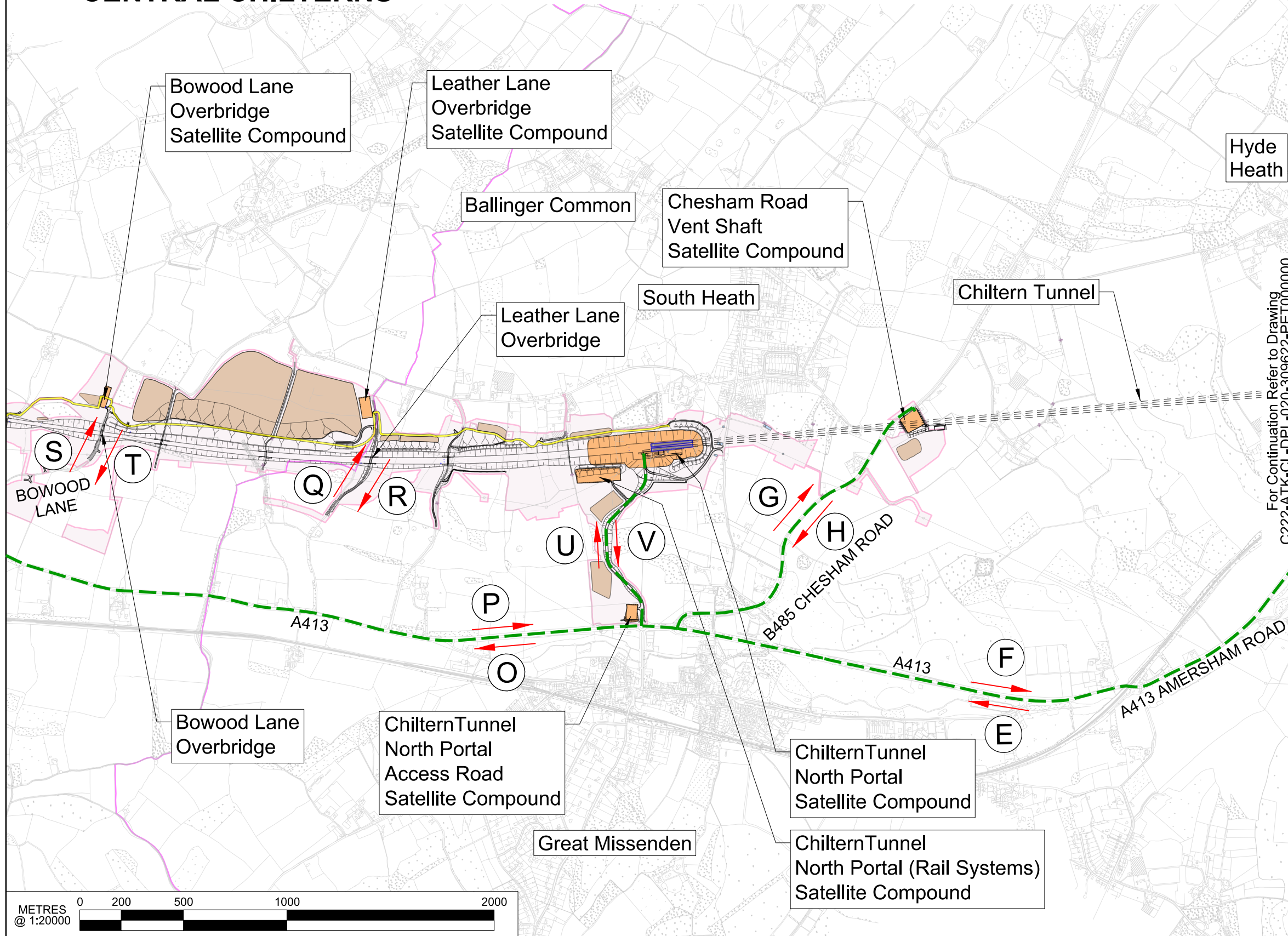
- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Temporary site access route / haul route
- Construction traffic route
- Temporary material stockpile

Registered in England
Registration No. 06791686
Registered office:
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London, E14 5AB

Creator/Originator
Atkins

Zone	Country South		Project/Contract	Country South Design	
Design Stage	DESIGN-FOR-PETITION		Discipline/Function	Construction and Logistics	
Drawing Title	Colne Valley Daily Weekday Traffic Flows Construction Phase (AP4 Proposal)		Drawn	Checked	Approved
			JM		
	Date	Scale	Size		
	13/08/2015	AS SHOWN	A3		
	Drawing No.	Rev.			
	C222-ATK-CL-DPL-020-309620-PET000000	P00.1			

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE (AP4 PROPOSAL) CENTRAL CHILTERN



For Continuation Refer to Drawing C222-ATK-CL-DPL-020-309622-PET000000

A413 Missenden Bypass (South of B485)					
E	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8330	153	8483	2%
	HGVs	223	155	378	69%

A413 Missenden Bypass (South of B485)					
F	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	9498	153	9651	2%
	HGVs	318	155	473	49%

B485 Chesham Road / Frith Hill (west of King's Lane)					
G	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	4575	89	4664	2%
	HGVs	139	110	249	79%

B485 Chesham Road / Frith Hill (west of King's Lane)					
H	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	4487	89	4576	2%
	HGVs	269	110	379	41%

A413 Missenden Bypass (North of B485)					
O	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8128	174	8302	2%
	HGVs	195	156	351	80%

A413 Missenden Bypass (North of B485)					
P	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8309	174	8483	2%
	HGVs	273	156	429	57%

Leather Lane					
Q	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	231	26	257	11%
	HGVs	2	0	2	0%

Leather Lane					
R	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	256	26	282	10%
	HGVs	2	0	2	0%

Bowood Lane					
S	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	4	55	59	1300%
	HGVs	0	0	0	N/A

Bowood Lane					
T	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	6	55	61	939%
	HGVs	0	0	0	N/A

New link road					
U	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	0	45	45	N/A
	HGVs	0	135	135	N/A

New link road					
V	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	0	45	45	N/A
	HGVs	0	135	135	N/A

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Legends/Notes:

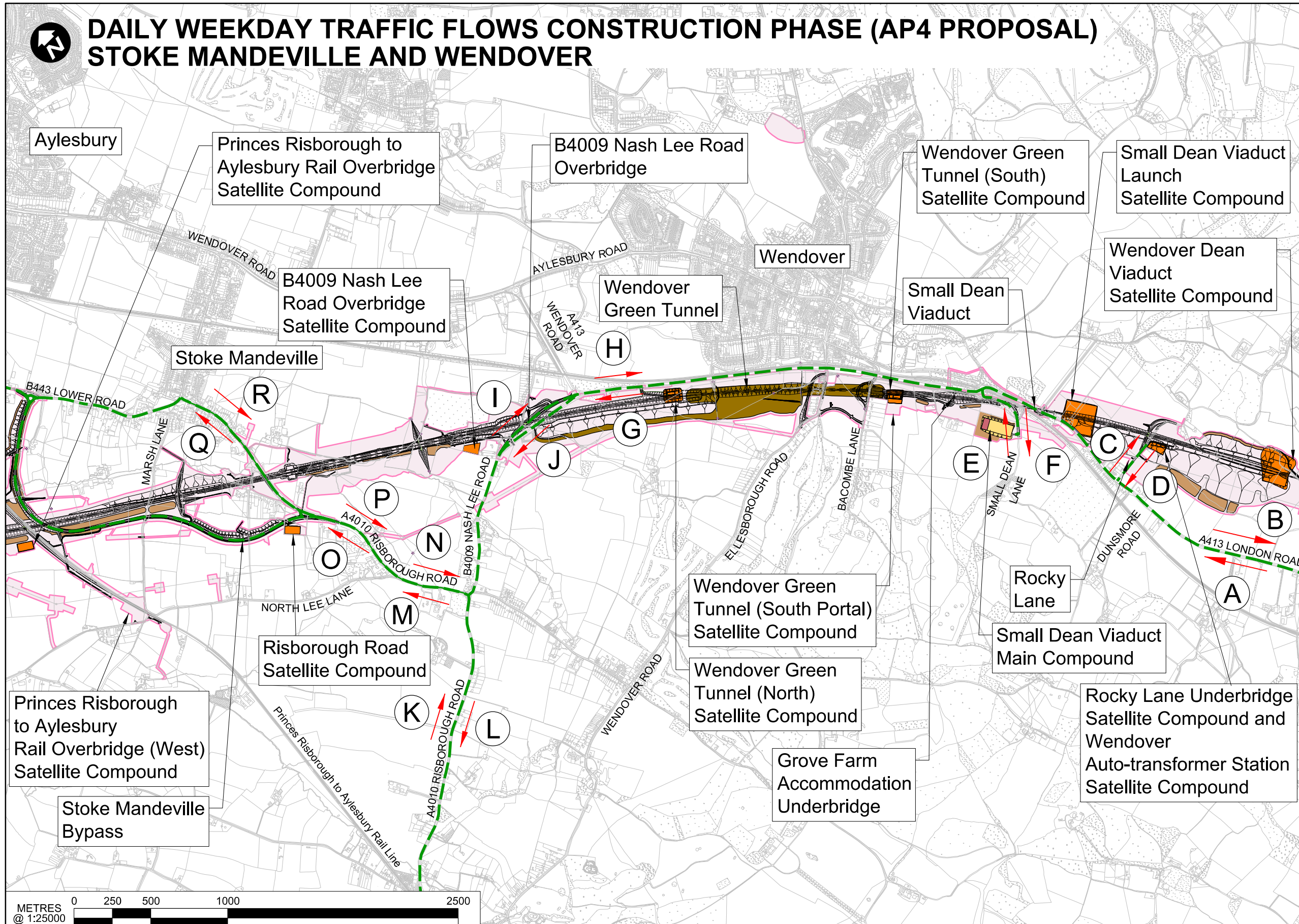
- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
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Registered office:
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London, E14 5AB

Creator/Originator
Atkins

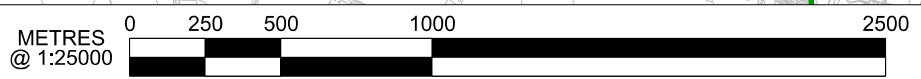
Zone	Country South		Project/Contract	Country South Design	
Design Stage	DESIGN-FOR-PETITION		Discipline/Function	Construction and Logistics	
Drawing Title	Central Chilterns Daily Weekday Traffic Flows Construction Phase (AP4 Proposal)		Drawn	Checked	Approved
			JM		
	Date	Scale	Size		
	11/08/2015	AS SHOWN	A3		
	Drawing No.	Rev.			
	C222-ATK-CL-DPL-020-309623-PET000000	P00.1			

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE (AP4 PROPOSAL) STOKE MANDEVILLE AND WENDOVER



Location	Direction	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
A13 (south of Dunsmore Lane)	Northbound	10097	174	10271	2%
	Cars & LGVs	98	156	254	160%
	HGVs				
A13 (south of Dunsmore Lane)	Southbound	10112	174	10285	2%
	Cars & LGVs	140	156	296	112%
	HGVs				
Rocky Lane	Northbound	662	111	773	17%
	Cars & LGVs	3	143	146	4376%
	HGVs				
Rocky Lane	Southbound	603	112	715	19%
	Cars & LGVs	3	143	146	5474%
	HGVs				
Small Dean Lane	Northbound	55	120	175	217%
	Cars & LGVs	1	31	31	4310%
	HGVs				
Small Dean Lane	Southbound	66	120	186	183%
	Cars & LGVs	0	31	31	N/A
	HGVs				
A413 Nash Lee Road	Northbound	7171	175	7346	2%
	Cars & LGVs	288	289	577	100%
	HGVs				
A413 Nash Lee Road	Southbound	6924	175	7099	3%
	Cars & LGVs	276	289	565	105%
	HGVs				
B4009 Nash Lee Road	Northbound	4746	110	4856	2%
	Cars & LGVs	60	292	352	488%
	HGVs				
B4009 Nash Lee Road	Southbound	4587	110	4697	2%
	Cars & LGVs	41	292	334	708%
	HGVs				
A4010 Aylesbury Road / Risborough Road	Eastbound	7724	110	7834	1%
	Cars & LGVs	75	73	148	98%
	HGVs				
A4010 Aylesbury Road / Risborough Road	Westbound	7179	110	7289	2%
	Cars & LGVs	78	73	151	94%
	HGVs				
A4010 Risborough Road (south of North Lee Lane)	Northbound	8084	46	8129	1%
	Cars & LGVs	288	5	293	2%
	HGVs				
A4010 Risborough Road (south of North Lee Lane)	Southbound	7870	46	7916	1%
	Cars & LGVs	296	5	301	2%
	HGVs				
A4010 Risborough Road (south of bypass)	Northbound	8084	1035	9118	13%
	Cars & LGVs	288	10	298	3%
	HGVs				
A4010 Risborough Road (south of bypass)	Southbound	7870	996	8867	13%
	Cars & LGVs	296	12	308	4%
	HGVs				
A4010 Risborough Road (north of bypass)	Northbound	8084	1035	9118	13%
	Cars & LGVs	288	0**	288	0%
	HGVs				
A4010 Risborough Road (north of bypass)	Southbound	7870	996	8867	13%
	Cars & LGVs	296	0**	296	0%
	HGVs				

* HS2 flow inclusive of diverted traffic associated with the closure of Marsh Lane, requiring a diversion via North Lee Lane, the A4010 and Marsh Lane, and represents traffic flows prior to opening of the Stoke Mandeville Bypass.
** Potential infrequent (less than daily) HGV



Description	Drawn	Checked	Con App	HS2 App

Legends/Notes:

- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Temporary site access route / haul route
- Construction traffic route
- Temporary material stockpile

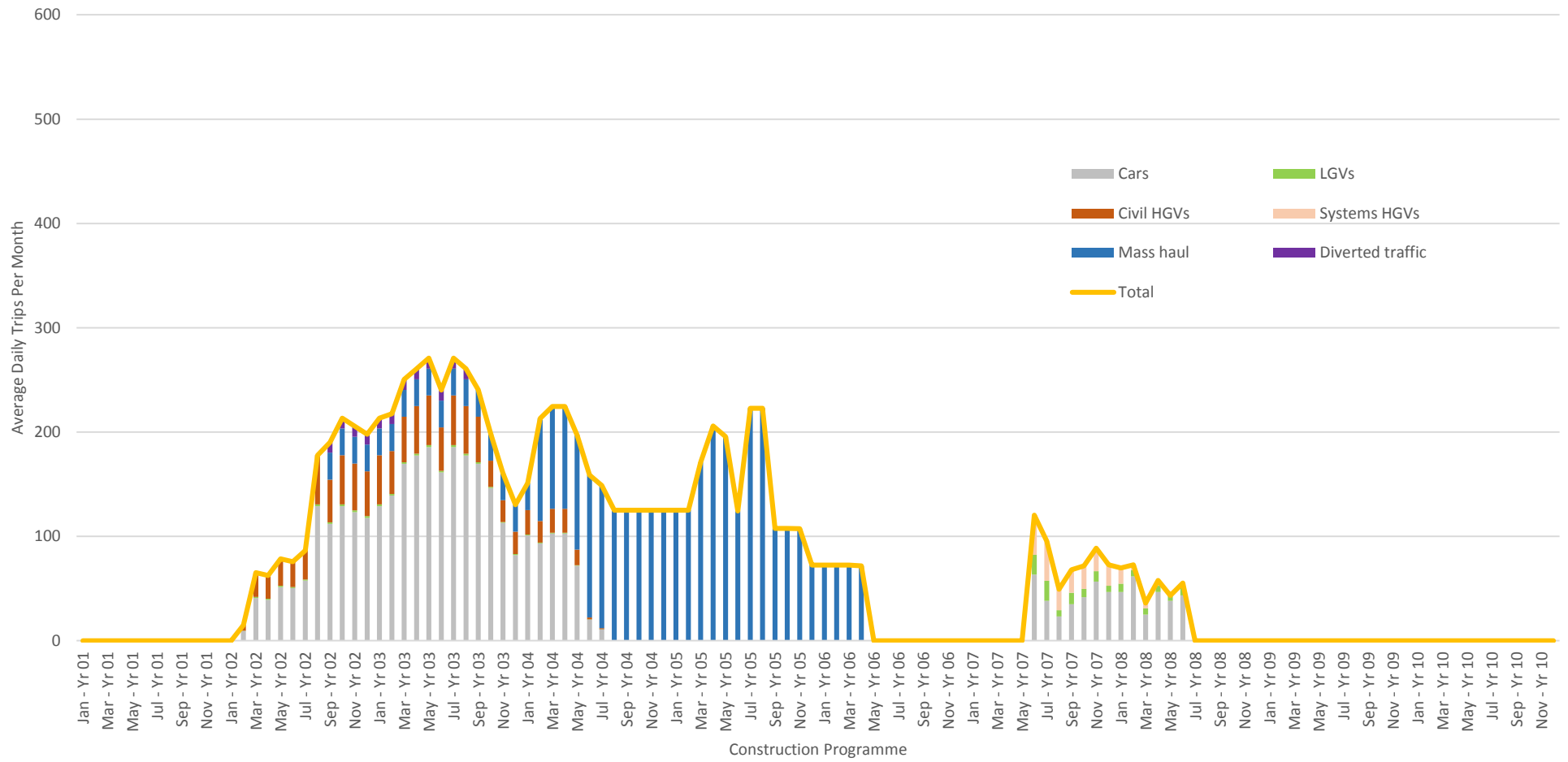
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Registered office:
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Creator/Originator
Atkins

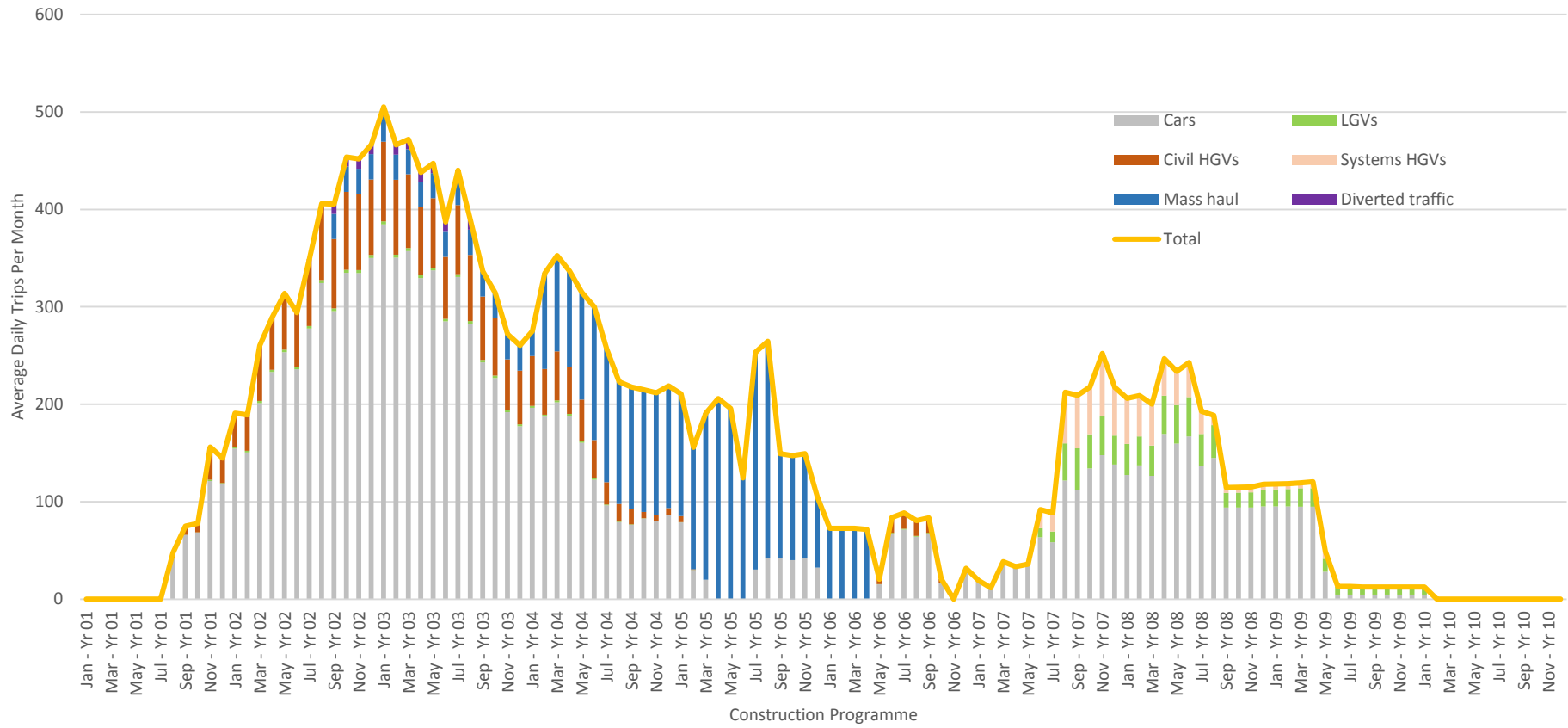
Zone	Country South
Design Stage	DESIGN-FOR-PETITION
Drawing Title	Stoke Mandeville and Wendover Daily weekday traffic flows Construction Phase (AP4 Proposal)

Project/Contract	Country South Design		
Discipline/Function	Environmental		
Drawn	Checked	Approved	
JM			
Date	Scale	Size	
17/08/2015	AS SHOWN	A3	
Drawing No.		Rev.	
C222-ATK-EV-DPL-020-310505-PFT000000		P00.1	

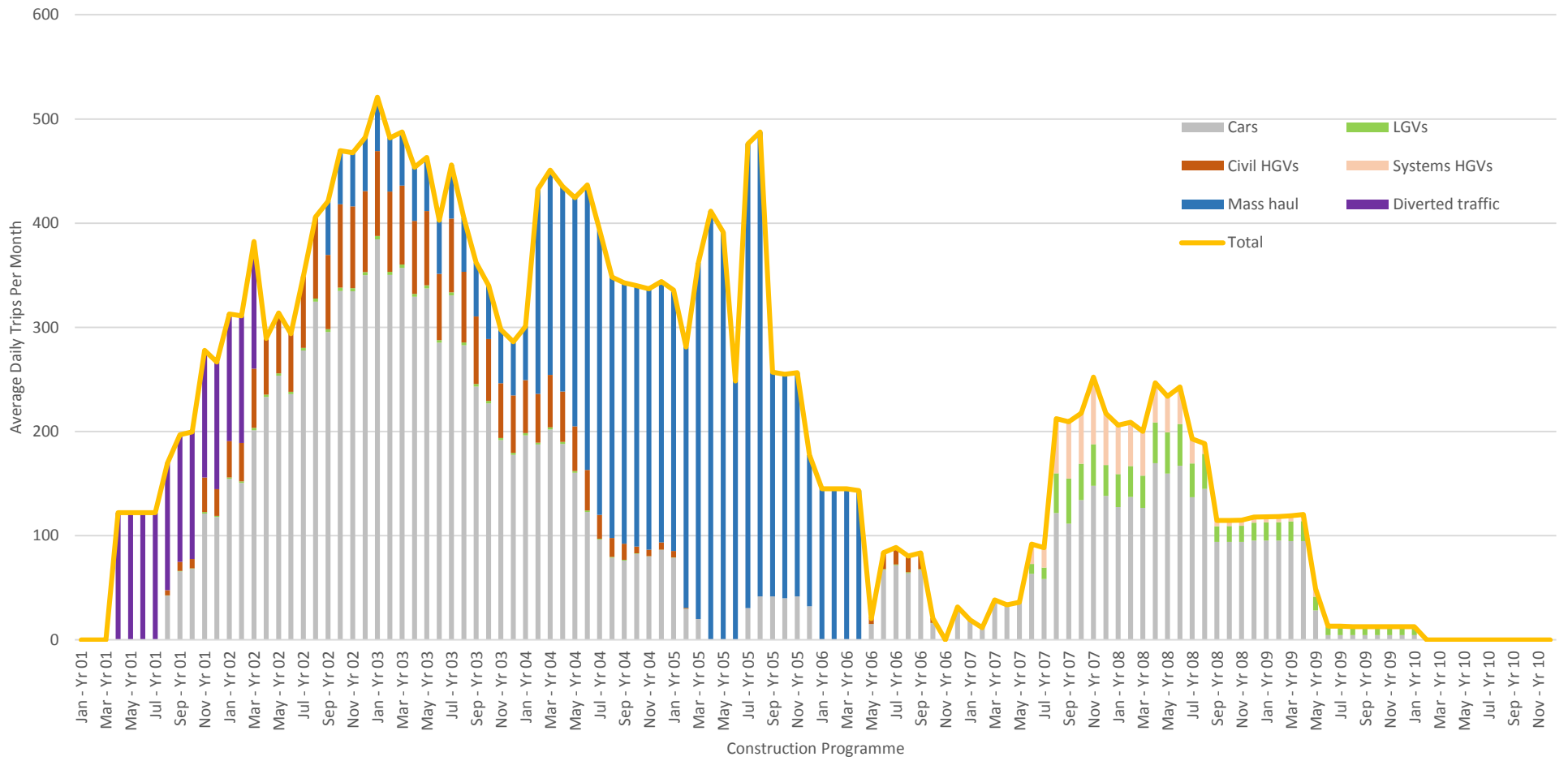
HS2 construction traffic on Rocky Lane, AP4 scheme



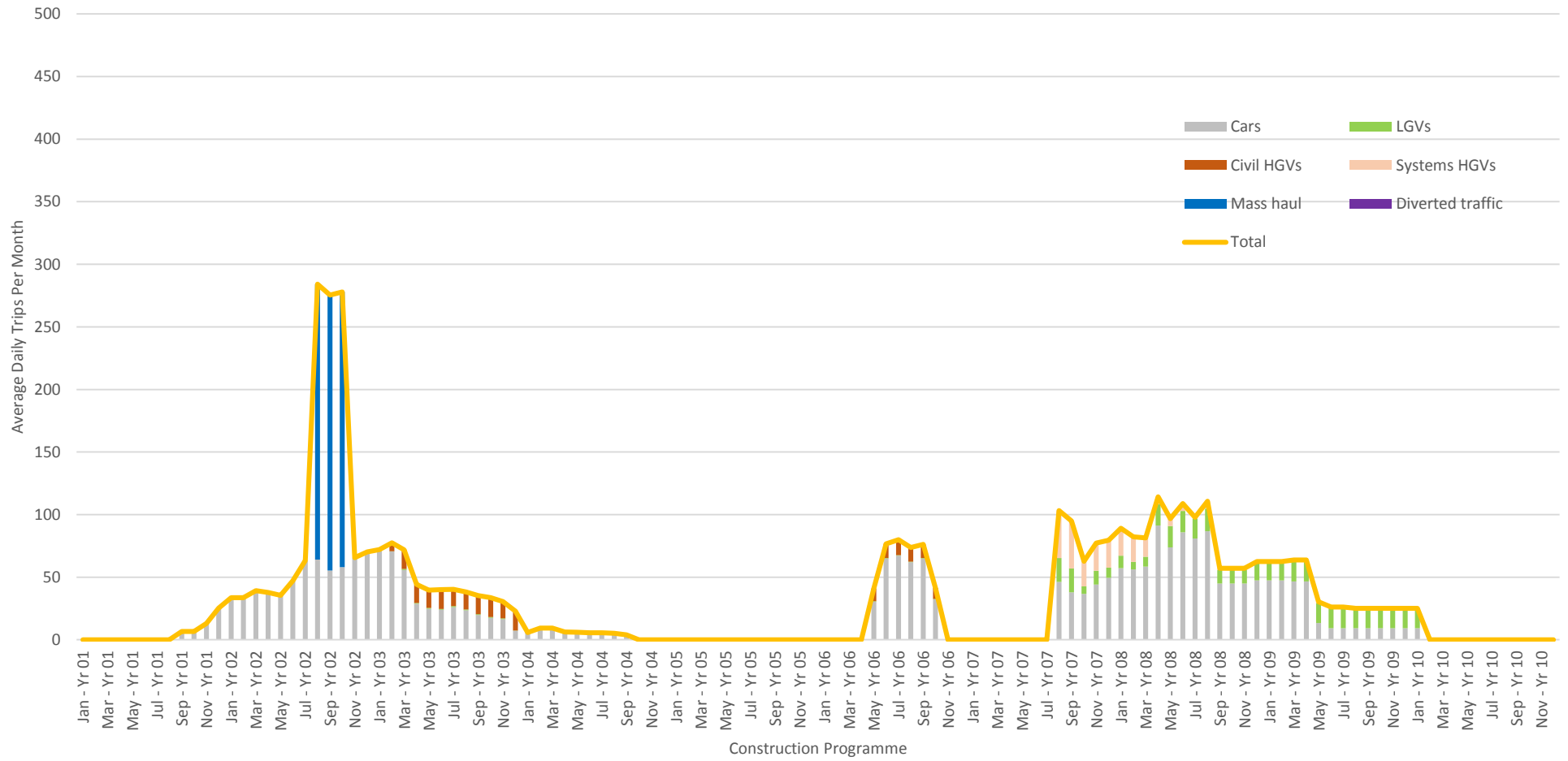
HS2 construction traffic on A413 between the Chiltern tunnel north portal access road and Rocky Lane, AP4 scheme



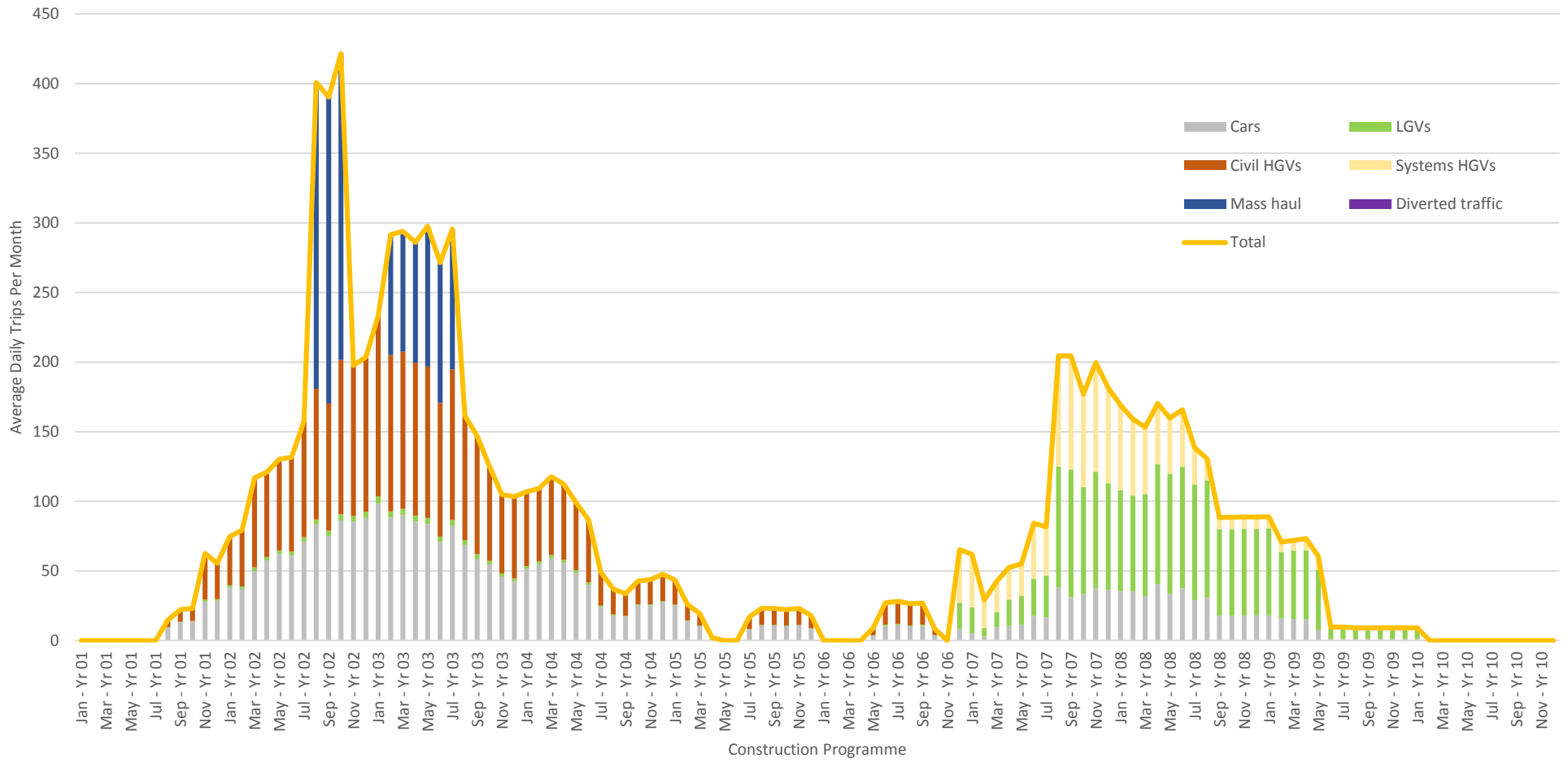
HS2 construction traffic on A413 north of Rocky Lane, AP4 scheme



HS2 construction traffic on B485 Chesham Road, AP4 scheme

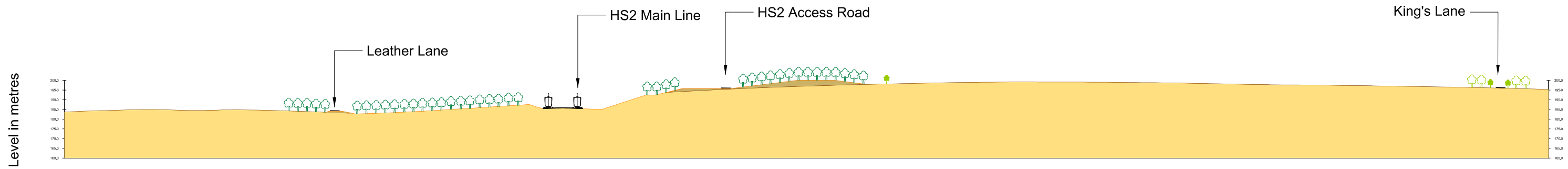


HS2 construction traffic on A355, AP4 scheme



1A

1B

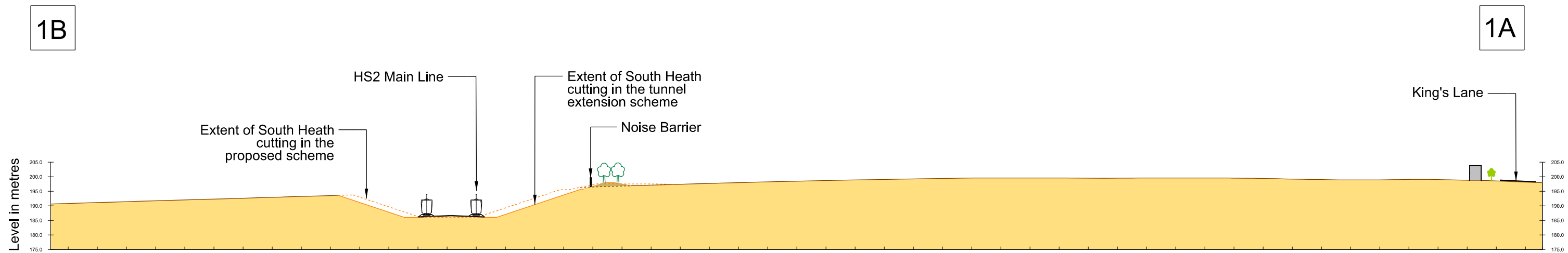


Section 1A-1B (year 15)
Scale as shown

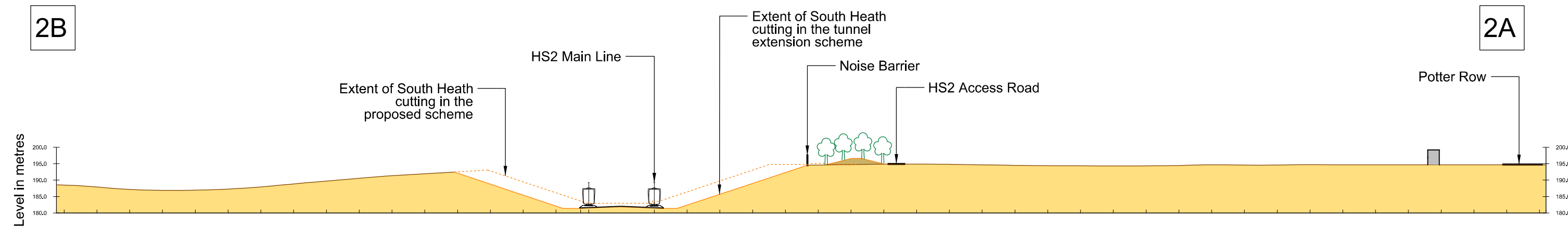
For Location Of Sections Refer To Drawing No. C222-ATK-EV-DPL-020-760907-PET000000

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	Design Stage	DESIGN-FOR-PETITION		Discipline/Function				Environmental						
	Drawing Title	Chiltern Petitioners		Drawn	Checked			Approved						
				MH										
	Date	11/08/2015	Scale	AS SHOWN	Size	A1								
	Drawing No.	C222-ATK-EV-DSE-020-760907-PET000000				Rev.	P00.1							
	Description	Drawn	Checked	Con App	HS2 App									

P8148



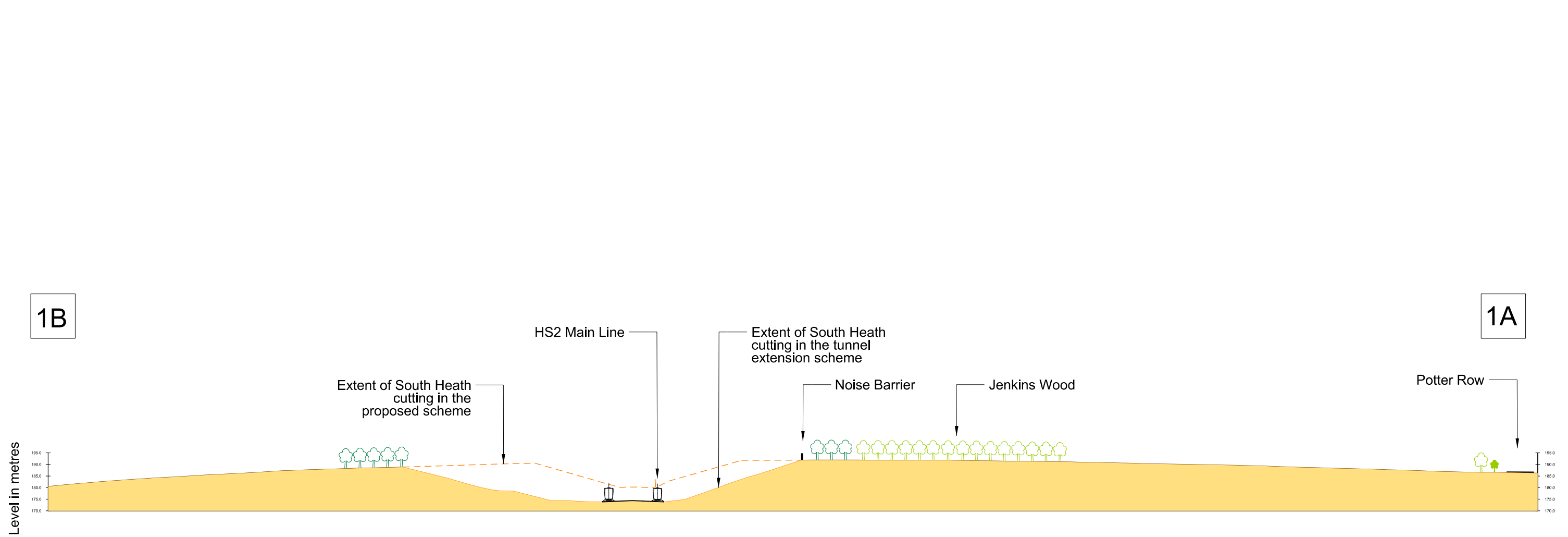
Section 1A-1B (year 15)
Scale as shown



Section 2A-2B (year 15)
Scale as shown

For Location Of Sections Refer To Drawing No. C222-ATK-EV-DPL-020-761907-PET000000

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					Scale with caution as distortion can occur.			Cross Sections.		Date 11/08/2015	Scale AS SHOWN	Size A1
Description				Drawn	Checked	Con App	HS2 App	Drawing No. C222-ATK-EV-DSE-020-761907-PET000000		HOC/10518/0007		



Section 1A-1B (year 15)
Scale as shown

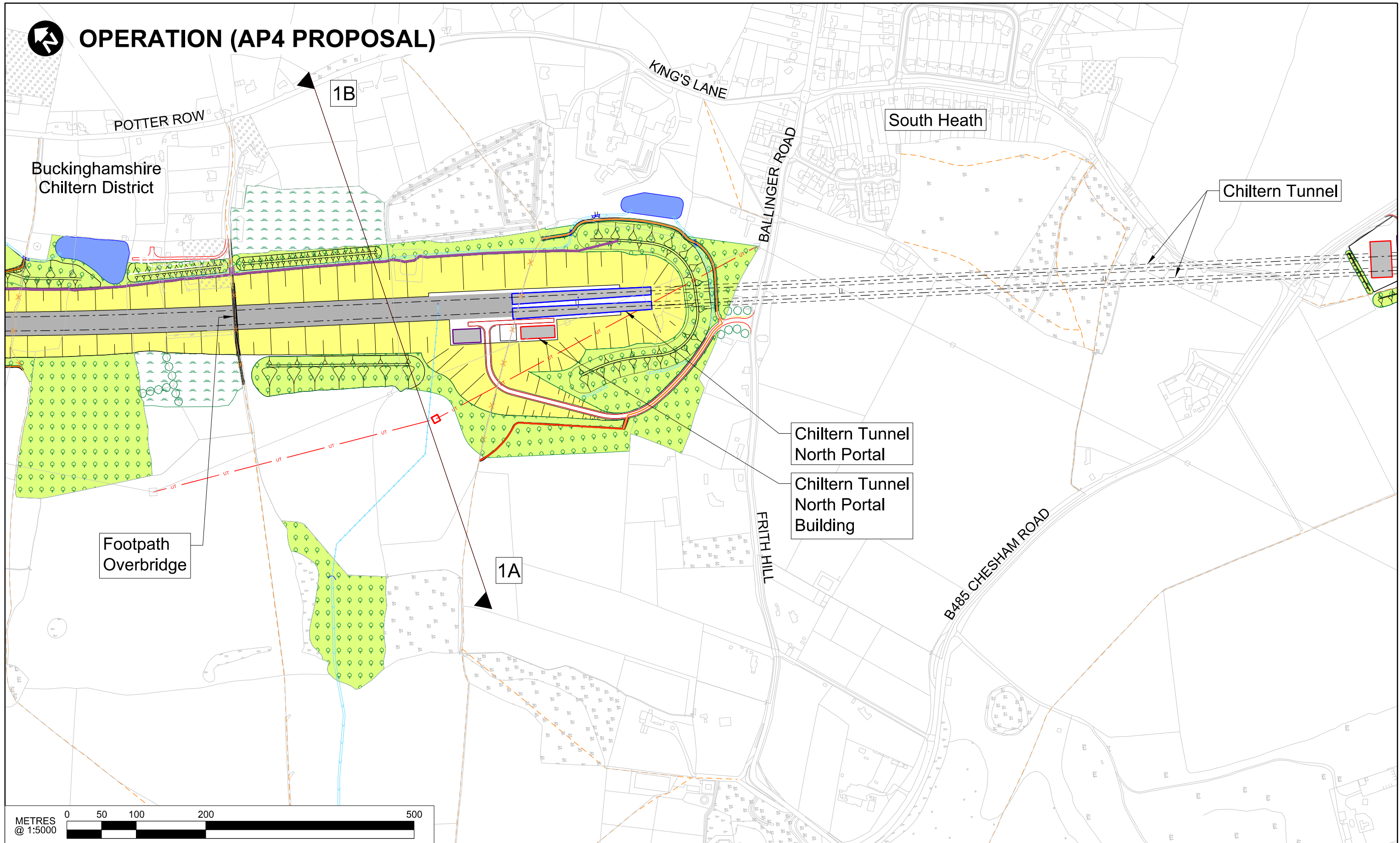
For Location Of Sections Refer To Drawing No. C222-ATK-EV-DPL-020-763906-PET000000

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					Scale with caution as distortion can occur.			Date 11/08/2015		Scale AS SHOWN	Size A1	Rev. P00.1
Description					Drawn	Checked	Con App	HS2 App	Drawing No. C222-ATK-EV-DSE-020-763906-PET000000		HOC/10518/0009	

P8152

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OPERATION (AP4 PROPOSAL)



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- Legends/Notes:
- Depot, station, headhouse or portal building
 - Tunnel portal
 - Balancing pond
 - Land drainage area
 - Replacement floodplain storage
 - Landscape mitigation planting (scrub / woodland)
 - Grassed areas
 - Engineering earthworks
 - Landscape earthworks
 - Rail alignment formation
 - Tunnels external extent
 - Rail alignment
 - Noise fence barrier
 - Ditches - new
 - Hedgerow habitat creation
 - HS2 Access road
 - Existing public right of way (PRoW)
 - New, diverted or realigned PRoW
 - Stopped-up PRoW
 - Main utility works

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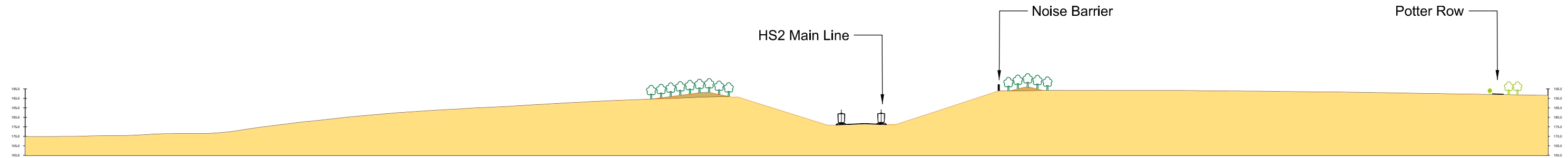
Zone	Country South	
Design Stage	DESIGN-FOR-PETITION	
Drawing Title	Petitioners Group G Cross Section Plans AP4 Proposal	

Project/Contract	Country South Design		
Discipline/Function	Environmental		
Drawn	Checked	Approved	
IE			
Date	Scale	Size	
12/08/2015	AS SHOWN	A1	
Drawing No.	Rev.		
C222-ATK-EV-DPL-020-761906-PET000000	P00.1		

1A

1B

Level in metres



Section 1A-1B (year 15)
Scale as shown

For Location Of Sections Refer To Drawing No. C222-ATK-EV-DPL-020-761906-PET000000

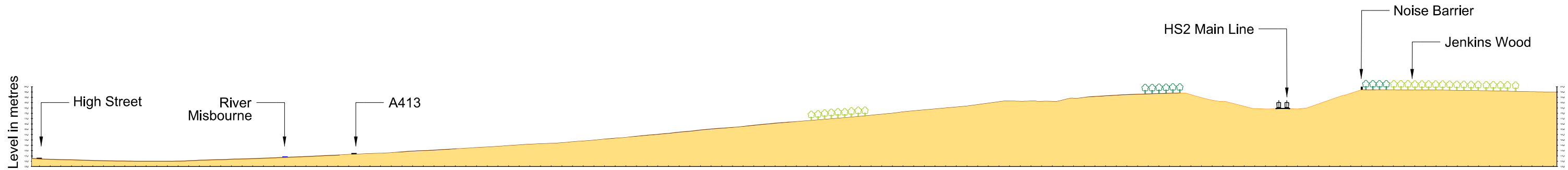
P00.1	-				HS2 accepts no responsibility for any circumstances which arise from the reproduction of this document after alteration, amendment or abbreviation or if it is issued in part or issued incompletely in any way.	Legends/Notes: Proposed mitigation tree planting Existing trees Existing ground Proposed hedgerow planting Existing hedgerow Filtered views Proposed HS2 embankment/landscape earthworks	 Registered In England Registration No. 06791686 Registered office: One Canada Square, London, E14 5AB Creator/Originator Atkins	Zone	Country South		Project/Contract		Country South Design	
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					Scale with caution as distortion can occur.				Cross Sections		Drawing No.		C222-ATK-EV-DSE-020-761906-PET000000	

P8154

HOC/10518/0011

1A

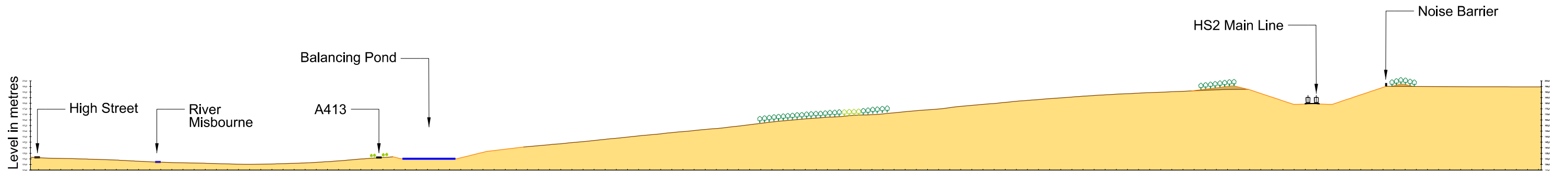
1B



Section 1A-1B (year 15)
Scale as shown

2A

2B



Section 2A-2B (year 15)
Scale as shown

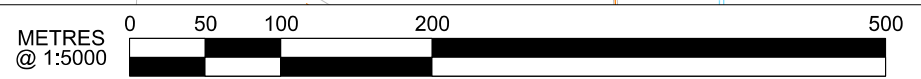
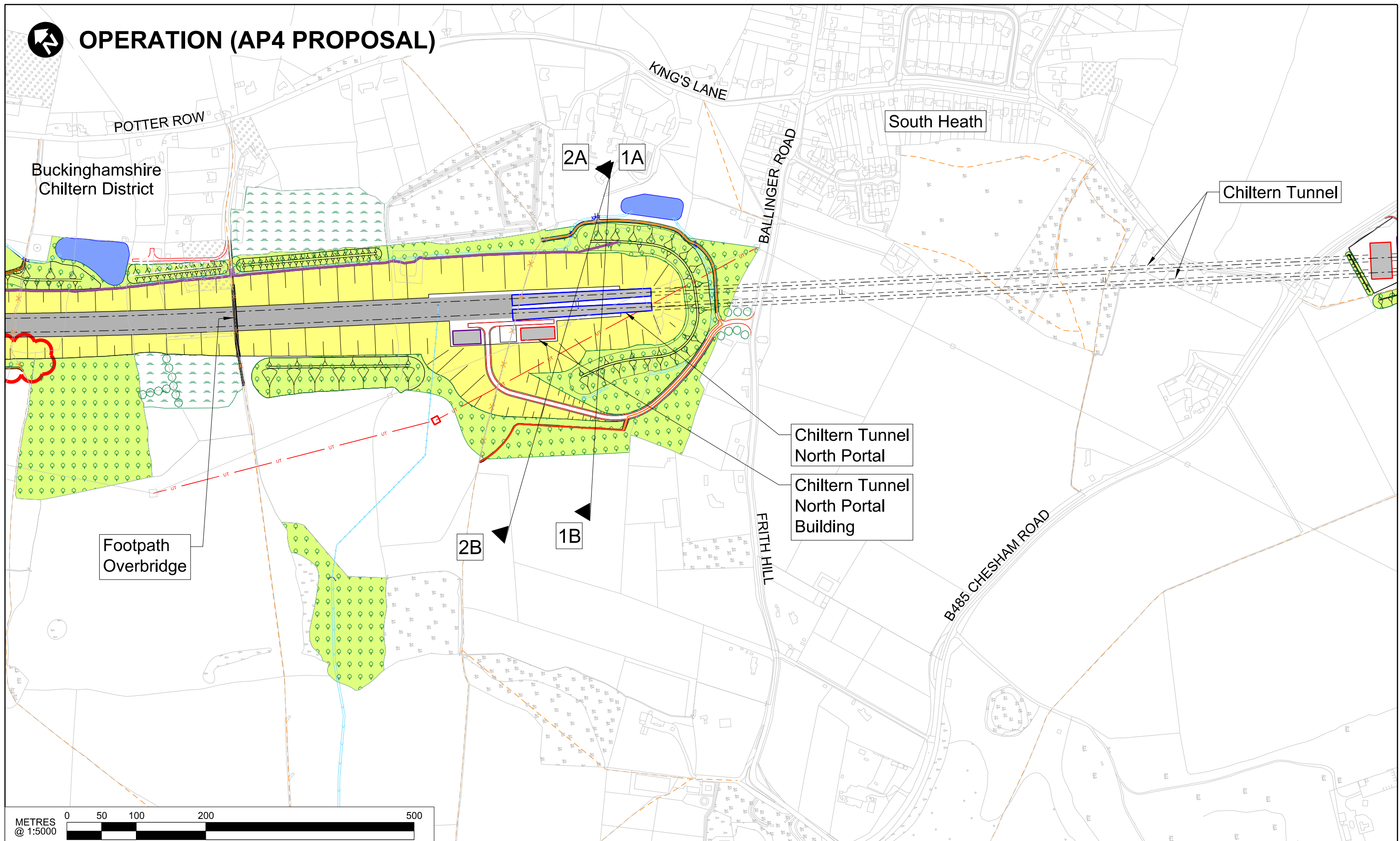
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					Scale with caution as distortion can occur.			Date 11/08/2015		Scale AS SHOWN	Size A1	
						Creator/Originator Atkins	Drawing No. C222-ATK-EV-DSE-020-760906-PET000000		Rev. P00.1			

P8156

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	Description	Drawn	Checked	Con App	HS2 App	

Legends/Notes:	
	Depot, station, headhouse or portal building
	Tunnel portal
	Balancing pond
	Land drainage area
	Replacement floodplain storage
	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Engineering earthworks
	Landscape earthworks
	Rail alignment formation
	Grassland habitat creation
	Tunnels external extent
	Rail alignment
	Noise fence barrier
	Ditches - new
	Hedgerow habitat creation
	HS2 Access road
	Existing public right of way (PRoW)
	New, diverted or realigned PRoW
	Stopped-up PRoW
	UT - Main utility works

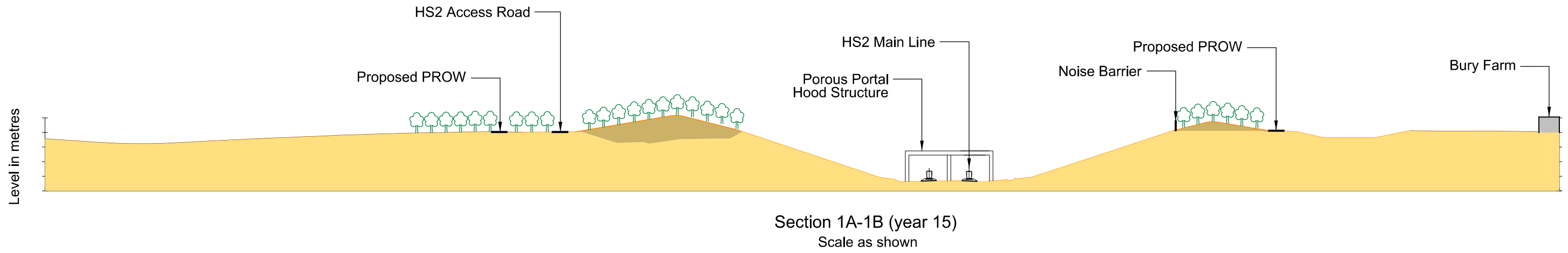
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Registered office:
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London, E14 5AB

Creator/Originator
Atkins

Zone	Country South		Project/Contract	Country South Design		
Design Stage	DESIGN-FOR-PETITION		Discipline/Function	Environmental		
Drawing Title	Petitioners Group K		Drawn	Checked	Approved	
	Cross Section Plans		IE			
	AP4 Proposal		Date	Scale	Size	Rev.
			12/08/2015	AS SHOWN	A1	
			Drawing No.			P00.1
			C222-ATK-EV-DPL-020-762906-PET000000		HOC/10518/0014	

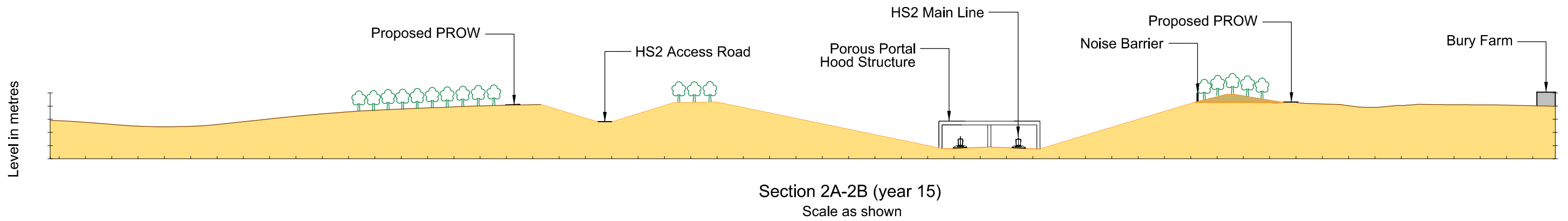
1B

1A



2B

2A



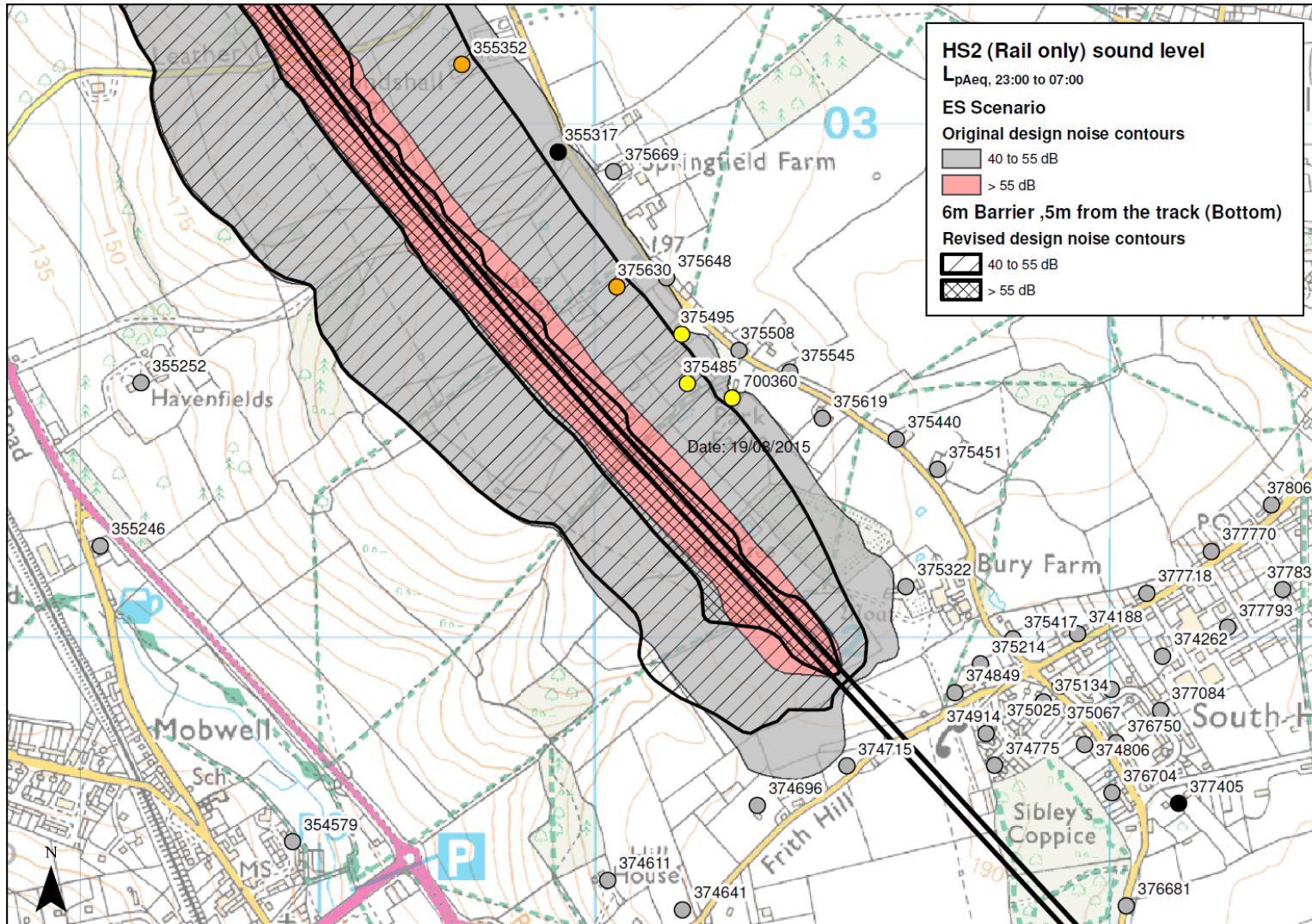
For Location Of Sections Refer To Drawing No. C222-ATK-EV-DPL-020-762906-PET000000

P00.1	-				HS2 accepts no responsibility for any circumstances which arise from the reproduction of this document after alteration, amendment or abbreviation or if it is issued in part or issued incompletely in any way.	Legends/Notes: Proposed mitigation tree planting Existing trees Existing ground Proposed hedgerow planting Existing hedgerow Filtered views Proposed HS2 embankment/landscape earthworks	 Registered in England Registration No. 06791686 Registered office: One Canada Square, London, E14 5AB Creator/Originator Atkins	Zone	Country South	Project/Contract			Country South Design
	© Crown Copyright and database right 2015. All rights reserved. Ordnance Survey Licence number 100049190				Design Stage			DESIGN-FOR-PETITION	Discipline/Function			Environmental	
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	Scale with caution as distortion can occur.				Date			11/08/2015	Scale	AS SHOWN	Size		A1
Description				Drawn	Checked	Con App	HS2 App	Drawing No.			C222-ATK-EV-DSE-020-762906-PET000000	Rev.	P00.1

P8158

HOC/10518/0015

Operational airborne noise impacts, effects and significant effects in the South Heath area – 6m above rail barriers at the bottom of the cutting



- The provision of a 6m noise fence barrier at the bottom of the cutting is forecast to remove the likely significant effect identified in the main ES at Potter Row.