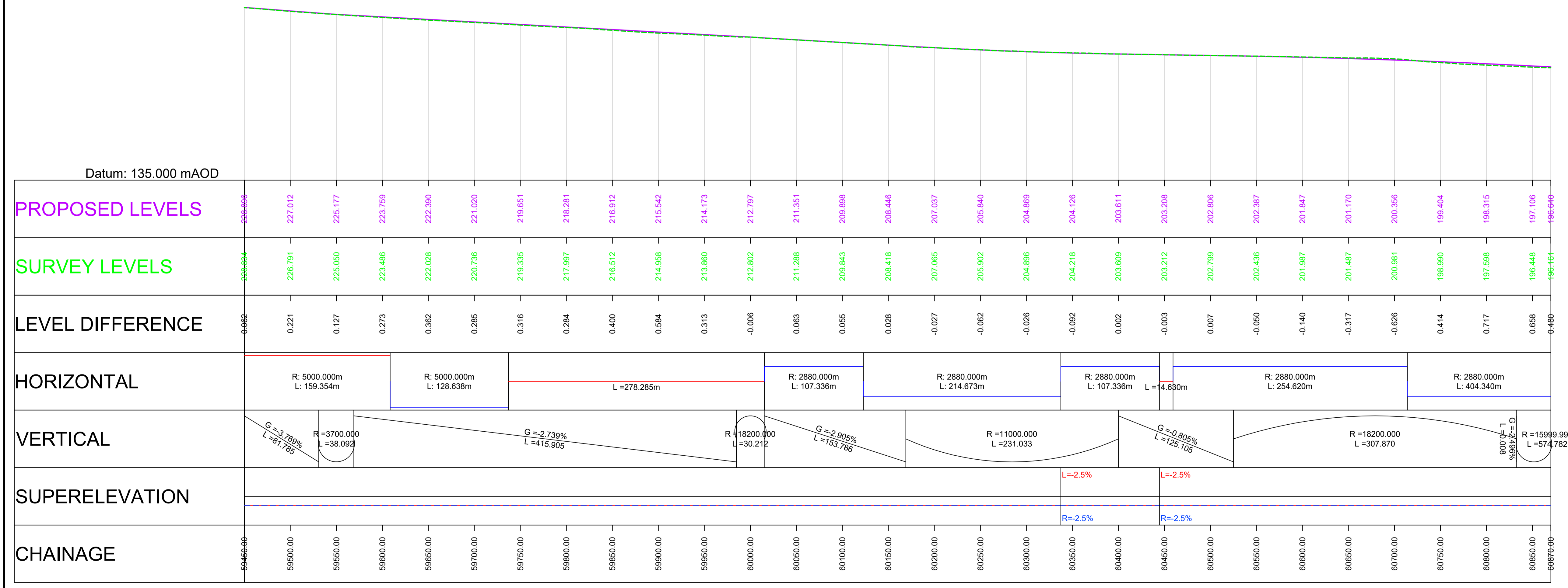
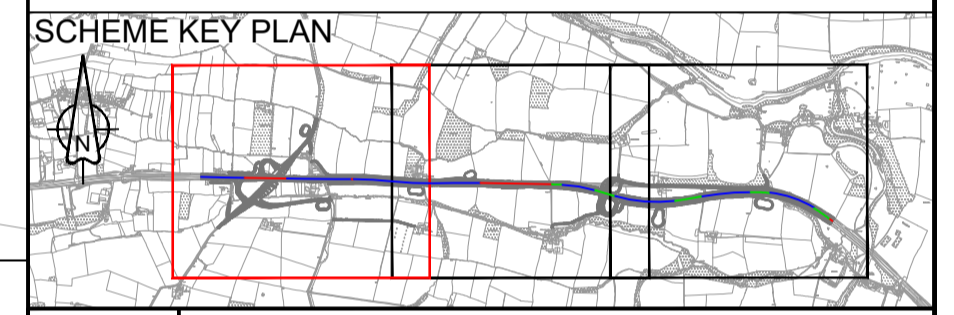


- ### NOTES
- ALL DIMENSIONS ARE IN METRES ABOVE DATUM UNLESS NOTED OTHERWISE.
  - THE DESIGN SHOWN ON THESE ENGINEERING SECTION DRAWINGS IS ILLUSTRATIVE AND WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT.
  - THE PROPOSED A66 VERTICAL DESIGN LEVELS ARE IDENTICAL FOR ALL ROUTE OPTIONS (BLACK, BLUE & RED).

- ### KEY
- Plan**
- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
  - CURVE ALIGNMENT
  - STRAIGHT ALIGNMENT
  - TRANSITION ALIGNMENT
  - ROAD NAMES
  - CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)
- Profile**
- PROPOSED VERTICAL DESIGN LEVEL
  - EXISTING GROUND LEVEL



Revision	Created	Checked	Reviewed	Approved	Authorised
---	---	---	---	---	---

Designer  
 Amey OW Limited  
 Chancery Exchange  
 10 Funnival Street  
 London, EC4A 1AB

Client  
 3 Piccadilly Place  
 Manchester  
 M1 3BN

Project Name  
**A66 Northern Trans-Pennine**

Drawing Title  
**Black Option  
 Cross Lanes to Rokeby  
 Plan and Profile Mainline  
 Sheet 1 of 3**

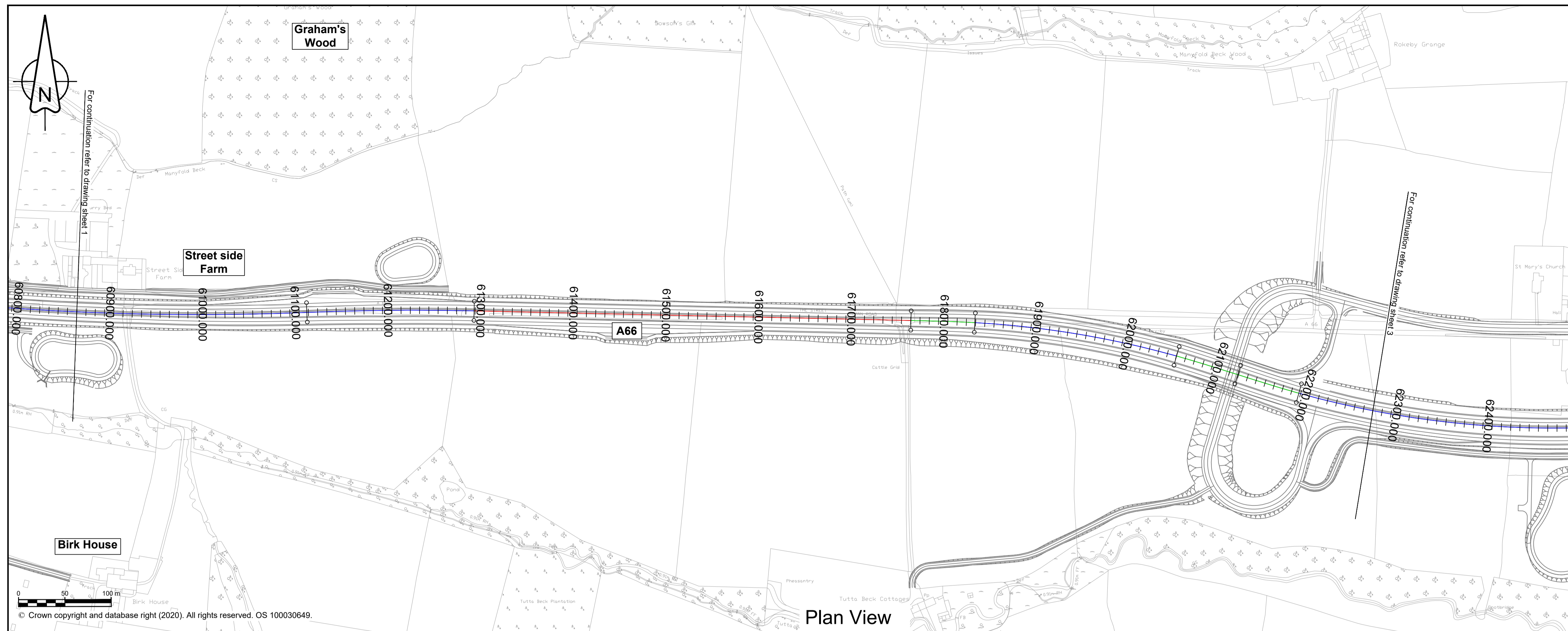
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		Dimensions	M

Drawing Number	Project	Originator	Volume
HE565627 - AMY - HML -			
S08	-DR-CH-	600011	
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P02

Scale H 1:2500; V 1:1250





Plan View

### NOTES

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### KEY

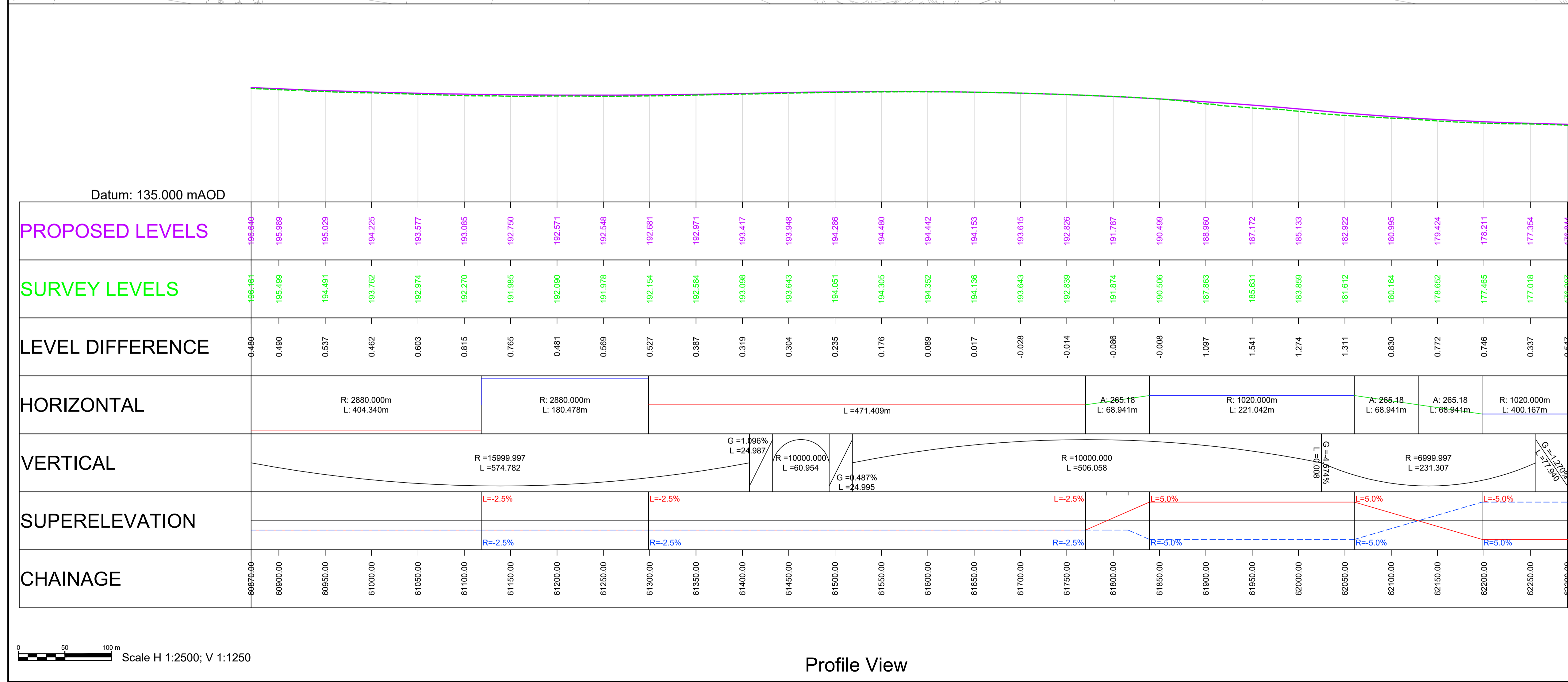
**Plan**

- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- CURVE ALIGNMENT
- STRAIGHT ALIGNMENT
- TRANSITION ALIGNMENT
- ROAD NAMES
- CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

**Profile**

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

**SCHEME KEY PLAN**



Profile View

---	---	---	---	---	---
P01	ISSUED FOR STAT. CON. MAPBOOKS				
	AREM	AREM	SHOT	THAL	FMOL
	31/08/21	31/08/21	01/09/21	01/09/21	02/09/21
P02	ISSUED FOR STAT. CON. ROUTE DEV. RPT.				
	AREM	AREM	THAL	FMOL	FMOL
	20/09/21	20/09/21	20/09/21	20/09/21	20/09/21
Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer  
Amey OW Limited  
Chancery Exchange  
10 Funnival Street  
London, EC4A 1AB

Client  
3 Piccadilly Place  
Manchester  
M1 3BN

Project Name  
**A66 Northern Trans-Pennine**

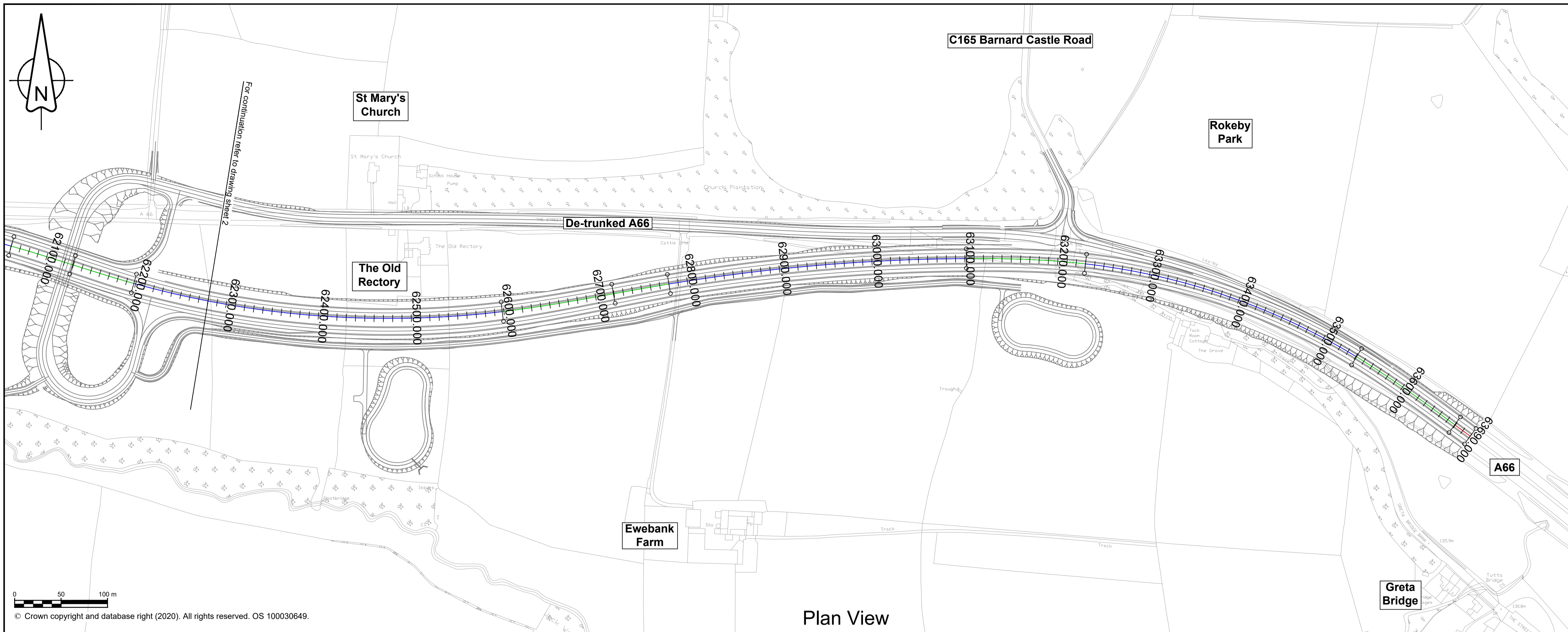
Drawing Title  
**Black Option  
Cross Lanes to Rokeby  
Plan and Profile Mainline  
Sheet 2 of 3**

Project Ref. No.	Stage	Scale:	@ A1
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		Dimensions:	M

Drawing Number	Project	Originator	Volume
HE565627	- AMY	- HML	-
S08	-DR-CH-600012		
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P02





Plan View

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### KEY

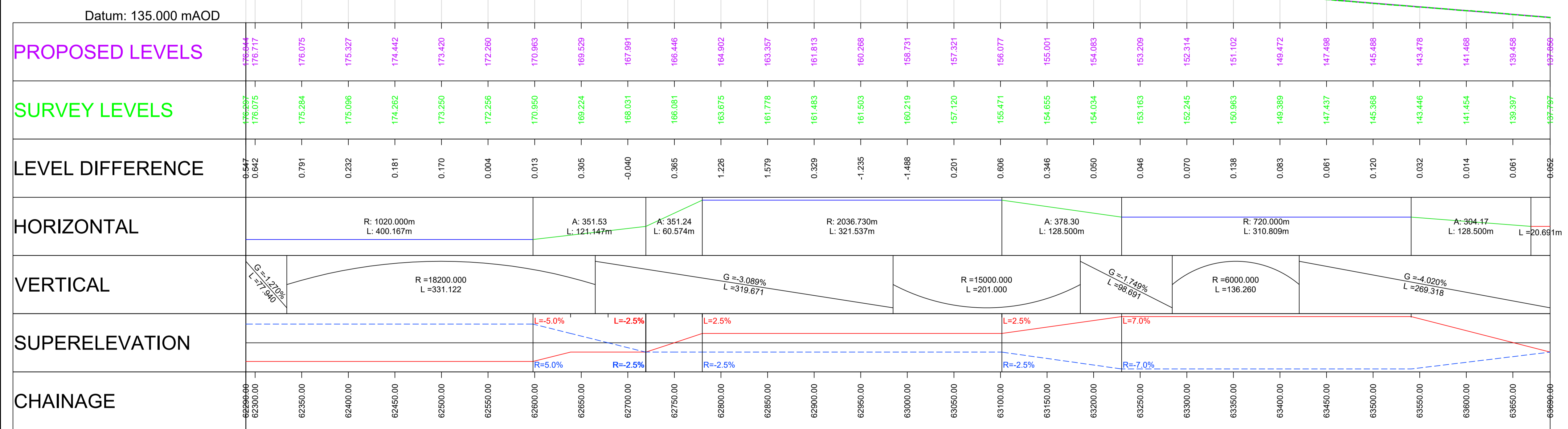
**Plan**

- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- CURVE ALIGNMENT
- STRAIGHT ALIGNMENT
- TRANSITION ALIGNMENT
- ROAD NAMES
- CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

**Profile**

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

**SCHEME KEY PLAN**



Profile View

---	---	---	---	---	---
ISSUED FOR STAT. CON. MAPBOOKS					
P01	AREM	AREM	SHOT	THAL	FMOL
	31/08/21	31/08/21	01/09/21	01/09/21	02/09/21
ISSUED FOR STAT. CON. ROUTE DEV. RPT.					
P02	AREM	AREM	THAL	FMOL	FMOL
	20/09/21	20/09/21	20/09/21	20/09/21	20/09/21
Revision details					
Revision	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer  
 Amey OW Limited  
 Chancery Exchange  
 10 Furnival Street  
 London, EC4A 1AB

Client  
 3 Piccadilly Place  
 Manchester  
 M1 3BN

Project Name  
**A66 Northern Trans-Pennine**

Drawing Title  
**Black Option  
 Cross Lanes to Rokeby  
 Plan and Profile Mainline  
 Sheet 3 of 3**

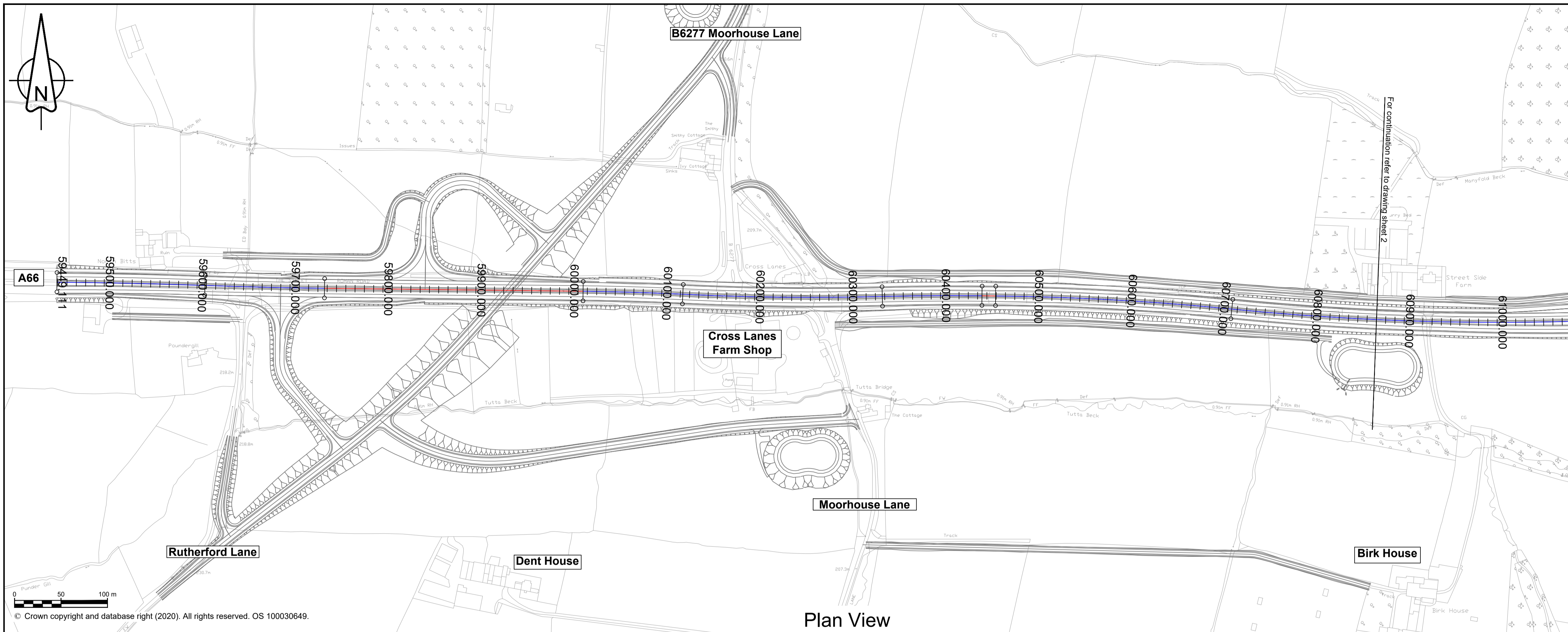
Project Ref. No.	Stage	Scale	@ A1
---	PCF3	1:2500	
		Dimensions	M

Drawing Number	Project	Originator	Volume
HE565627 - AMY - HML -			
S08	-DR-CH-	600013	
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P02

Scale H 1:2500; V 1:1250





### NOTES

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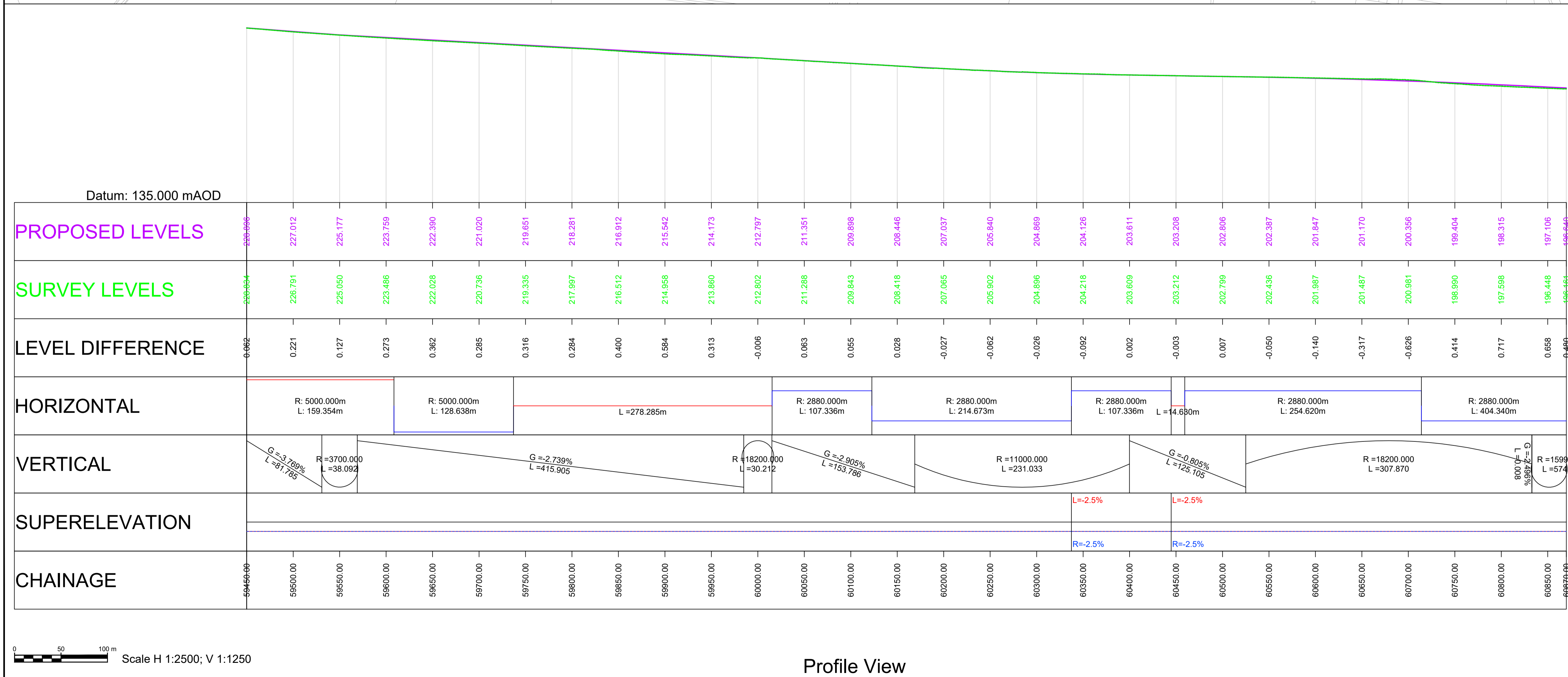
**Plan**

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- CURVE ALIGNMENT
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- ROAD NAMES
- CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

**Profile**

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

**SCHEME KEY PLAN**



Revision	Created	Checked	Reviewed	Approved	Authorised
---	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer  
Amey OW Limited  
Chancery Exchange  
10 Furnival Street  
London, EC4A 1AB

Client  
3 Piccadilly Place  
Manchester  
M1 3BN

Project Name  
**A66 Northern Trans-Pennine**

Drawing Title  
**Blue Option  
Cross Lanes to Rokeby  
Plan and Profile Mainline  
Sheet 1 of 3**

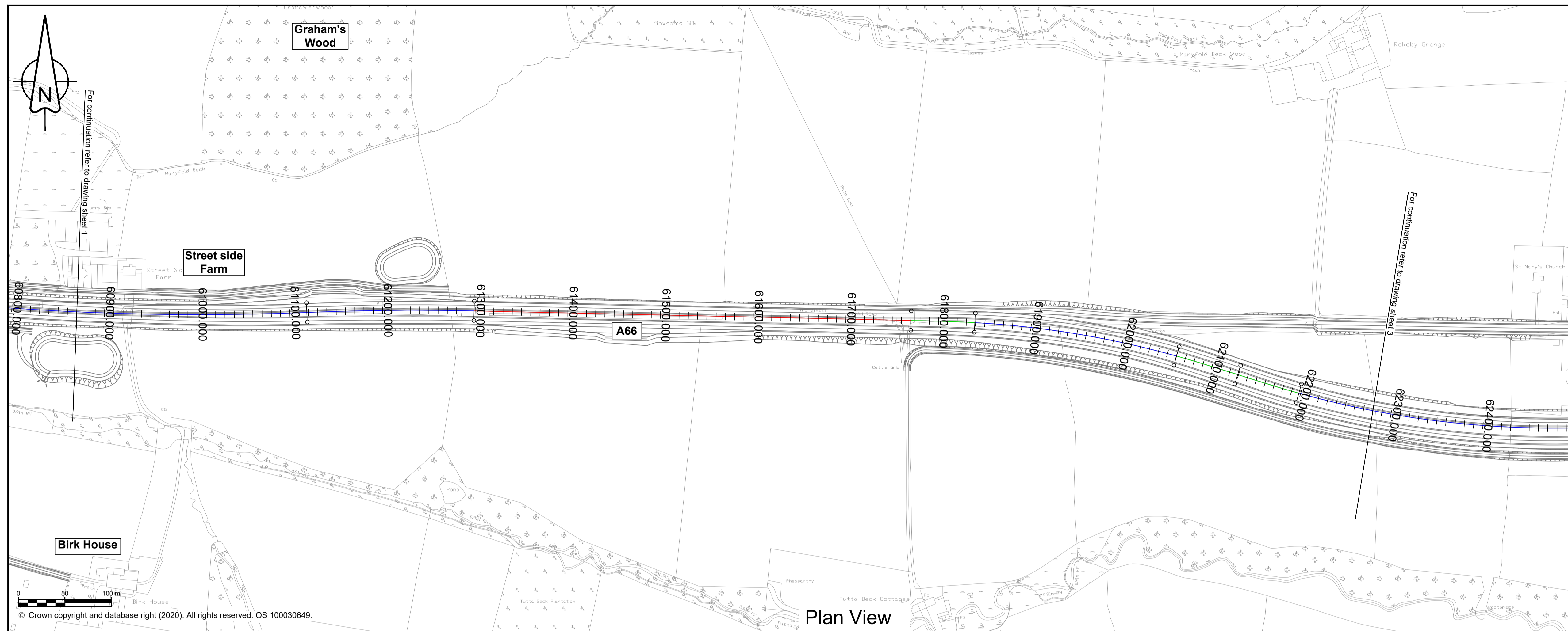
Project Ref. No. | Stage | Scale: 1:2500 | @ A1  
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Drawing Number  
Project | Originator | Volume |  
**HE565627 - AMY - HML -**  
S08 -DR-CH- 600021  
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01

Scale H 1:2500; V 1:1250



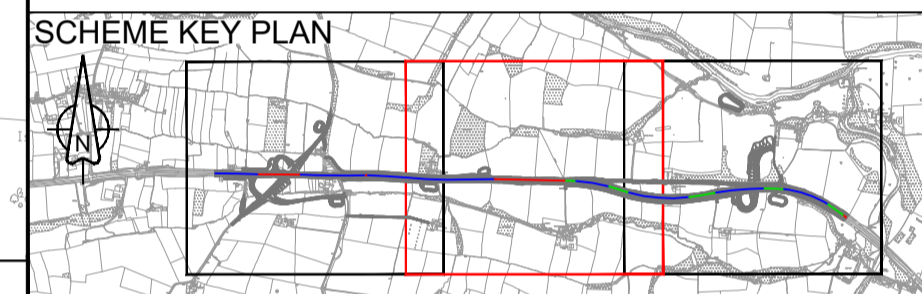


**NOTES**

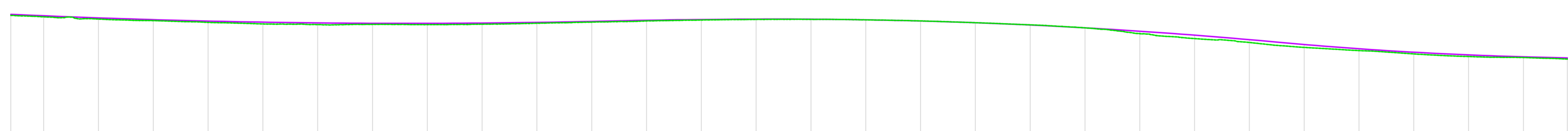
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**KEY**

- Plan**
- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
  - CURVE ALIGNMENT
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  - ROAD NAMES
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- Profile**
- PROPOSED VERTICAL DESIGN LEVEL
  - EXISTING GROUND LEVEL



Plan View



	60800.000	60900.000	60950.000	61000.000	61050.000	61100.000	61150.000	61200.000	61250.000	61300.000	61350.000	61400.000	61450.000	61500.000	61550.000	61600.000	61650.000	61700.000	61750.000	61800.000	61850.000	61900.000	61950.000	62000.000	62050.000	62100.000	62150.000	62200.000	62250.000	62296.000
Datum: 135.000 mAD																														
<b>PROPOSED LEVELS</b>	195.649	195.989	195.029	194.225	193.577	193.085	192.750	192.571	192.548	192.681	192.971	193.417	193.948	194.286	194.480	194.442	194.153	193.615	192.826	191.787	190.499	188.960	187.172	185.133	182.922	180.395	179.424	178.211	177.354	176.844
<b>SURVEY LEVELS</b>	196.461	195.499	194.491	193.762	192.974	192.270	191.985	192.090	191.978	192.154	192.584	193.098	193.643	194.051	194.305	194.352	194.136	193.643	192.839	191.874	190.506	187.863	185.631	183.859	181.612	180.164	178.652	177.465	177.018	176.297
<b>LEVEL DIFFERENCE</b>	0.489	0.490	0.537	0.462	0.603	0.815	0.765	0.481	0.569	0.527	0.387	0.319	0.304	0.235	0.176	0.089	0.017	-0.028	-0.014	-0.086	-0.008	1.097	1.541	1.274	1.311	0.830	0.772	0.746	0.337	0.547
<b>HORIZONTAL</b>	R: 2880.000m L: 404.340m			R: 2880.000m L: 180.478m			L=471.409m												A: 265.18 L: 68.941m		R: 1020.000m L: 221.042m		A: 265.18 L: 68.941m		A: 265.18 L: 68.941m		R: 1020.000m L: 400.167m			
<b>VERTICAL</b>	R = 15999.997 L = 574.782						R = 10000.000 L = 60.954		R = 10000.000 L = 506.058												R = 6999.997 L = 231.307		G = -1.208% L = 171.940							
<b>SUPERELEVATION</b>			L=-2.5%		L=-2.5%		R=-2.5%		R=-2.5%		R=-2.5%		R=-2.5%		R=-5.0%		L=5.0%		L=5.0%		R=-5.0%		R=-5.0%		R=5.0%		R=5.0%			
<b>CHAINAGE</b>	60800.000	60900.000	60950.000	61000.000	61050.000	61100.000	61150.000	61200.000	61250.000	61300.000	61350.000	61400.000	61450.000	61500.000	61550.000	61600.000	61650.000	61700.000	61750.000	61800.000	61850.000	61900.000	61950.000	62000.000	62050.000	62100.000	62150.000	62200.000	62250.000	62296.000

Profile View

---	---	---	---	---	---
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---	---	---	---	---	---
P01	ISSUED FOR STAT. CON. ROUTE DEV. RPT.	---	---	---	---
	AREM	AREM	THAL	FMOL	FMOL
	20/09/21	20/09/21	20/09/21	20/09/21	20/09/21
Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer  
Amey OW Limited  
Chancery Exchange  
10 Funnival Street  
London, EC4A 1AB

Client  
3 Piccadilly Place  
Manchester  
M1 3BN

Project Name  
**A66 Northern Trans-Pennine**

Drawing Title  
**Blue Option  
Cross Lanes to Rokeby  
Plan and Profile Mainline  
Sheet 2 of 3**

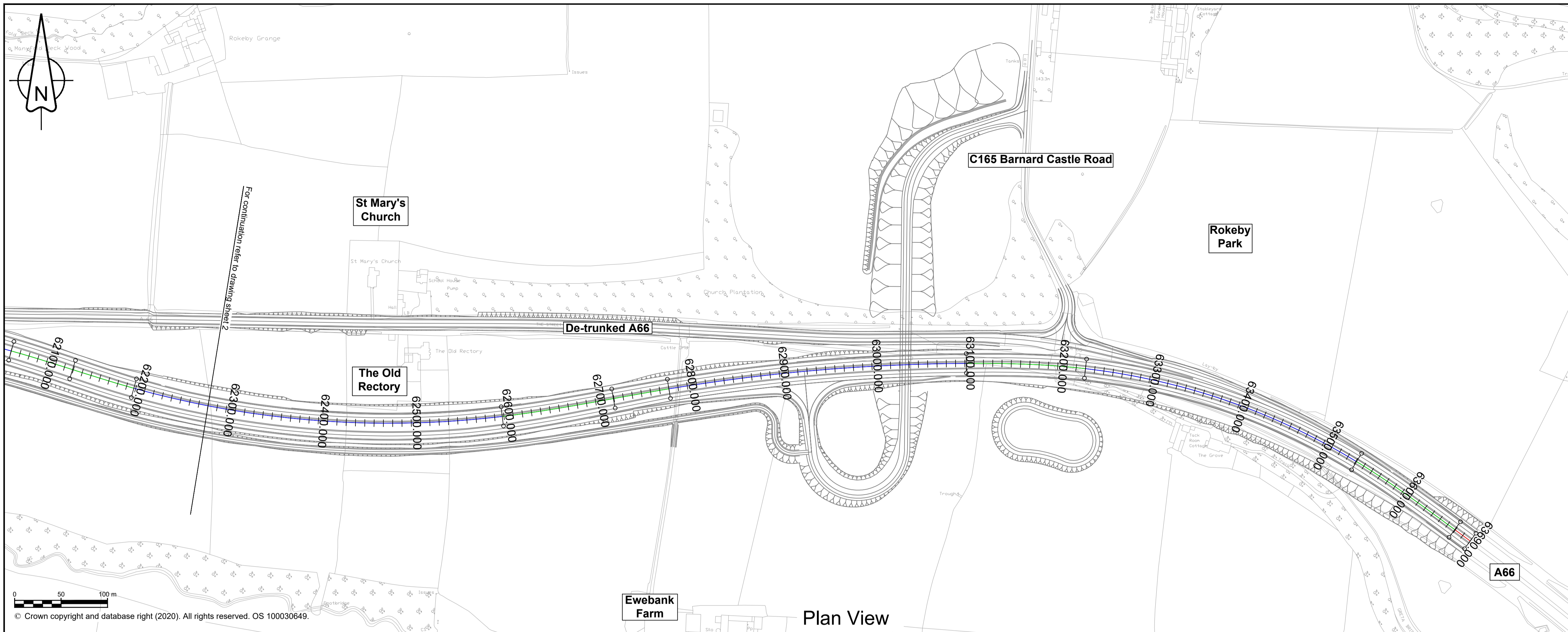
Project Ref. No.	Stage	Scale: 1:2500	@ A1
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Drawing Number	Project	Originator	Volume
HE565627 - AMY - HML -			
S08	-DR-CH-	600022	
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01

Scale H 1:2500; V 1:1250





### NOTES

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### KEY

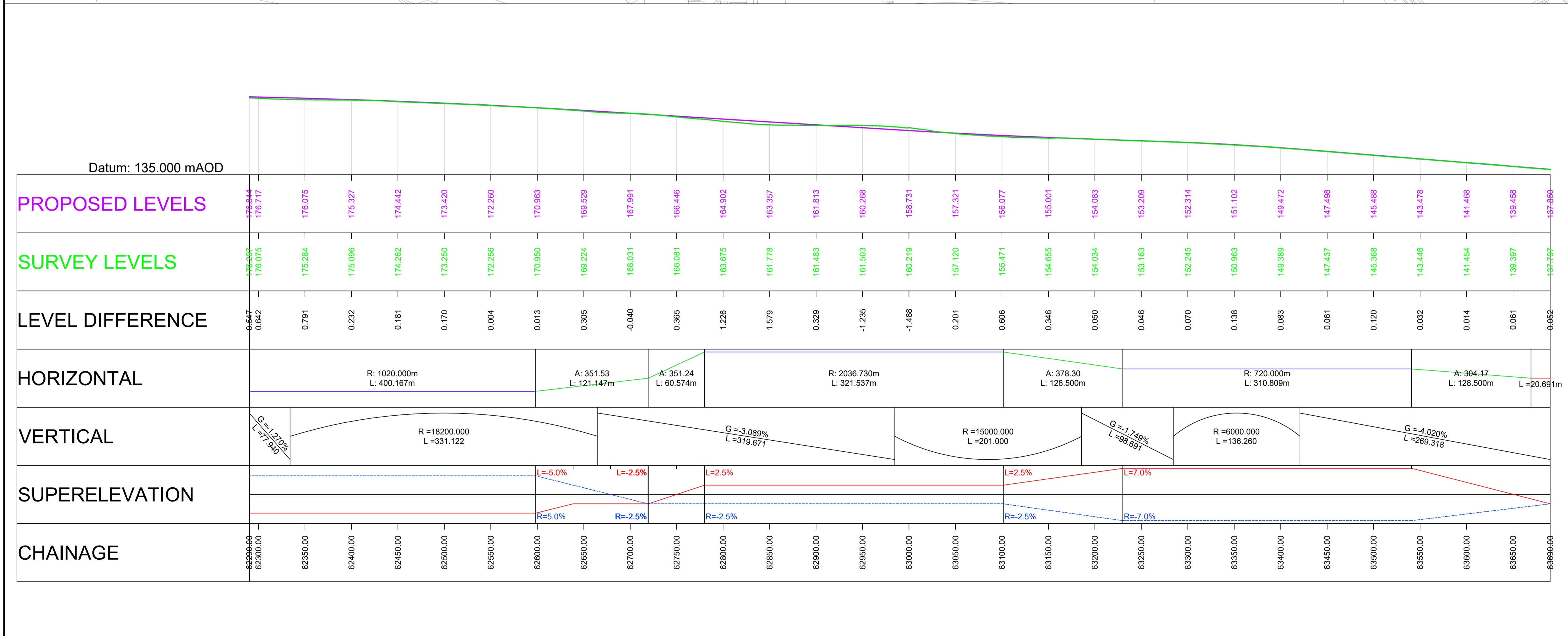
**Plan**

- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- CURVE ALIGNMENT
- STRAIGHT ALIGNMENT
- TRANSITION ALIGNMENT
- ROAD NAMES
- CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

**Profile**

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

**SCHEME KEY PLAN**



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---	---	---	---	---	---
P01	ISSUED FOR STAT. CON. ROUTE DEV. RPT.				
	AREM	AREM	THAL	FMOL	FMOL
	20/09/21	20/09/21	20/09/21	20/09/21	20/09/21
Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer  
Amey OW Limited  
Chancery Exchange  
10 Funnival Street  
London, EC4A 1AB

Client  
3 Piccadilly Place  
Manchester  
M1 3BN

Project Name  
A66 Northern Trans-Pennine

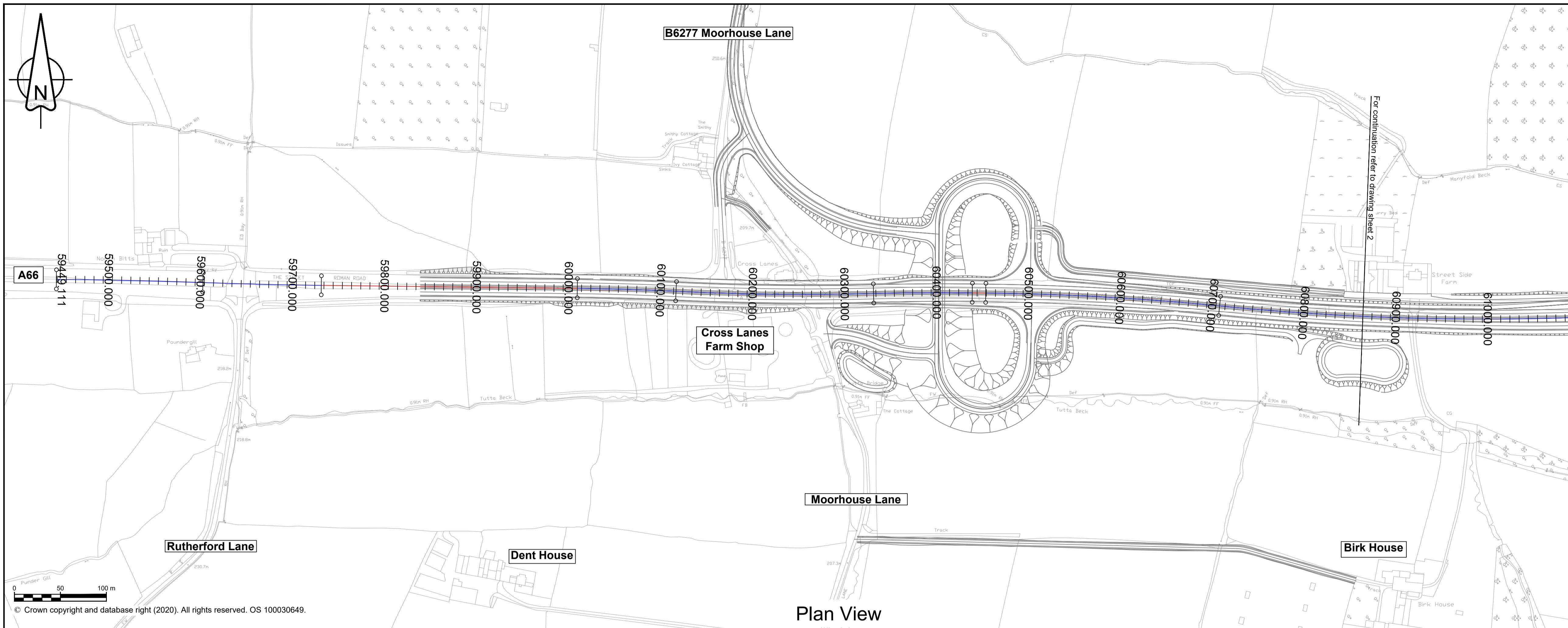
Drawing Title  
Blue Option  
Cross Lanes to Rokeby  
Plan and Profile Mainline  
Sheet 3 of 3

Project Ref. No.	Stage	Scale: 1:2500	@ A1
---	---	Dimensions: M	

Drawing Number	Project	Originator	Volume
HE565627 - AMY - HML -	S08	-DR-CH-	600023
Location	Type	Role	Number

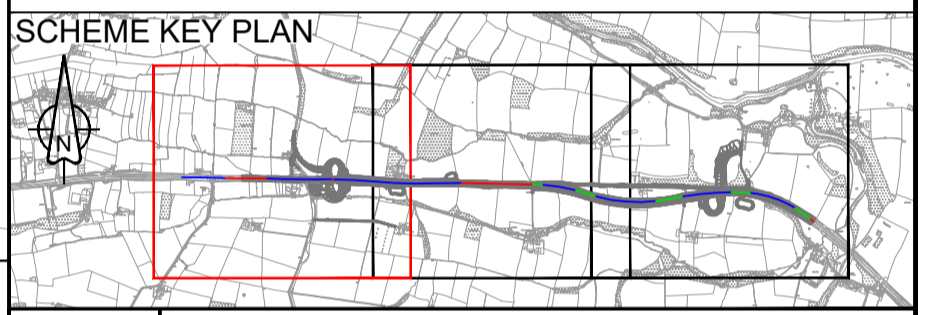
Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01



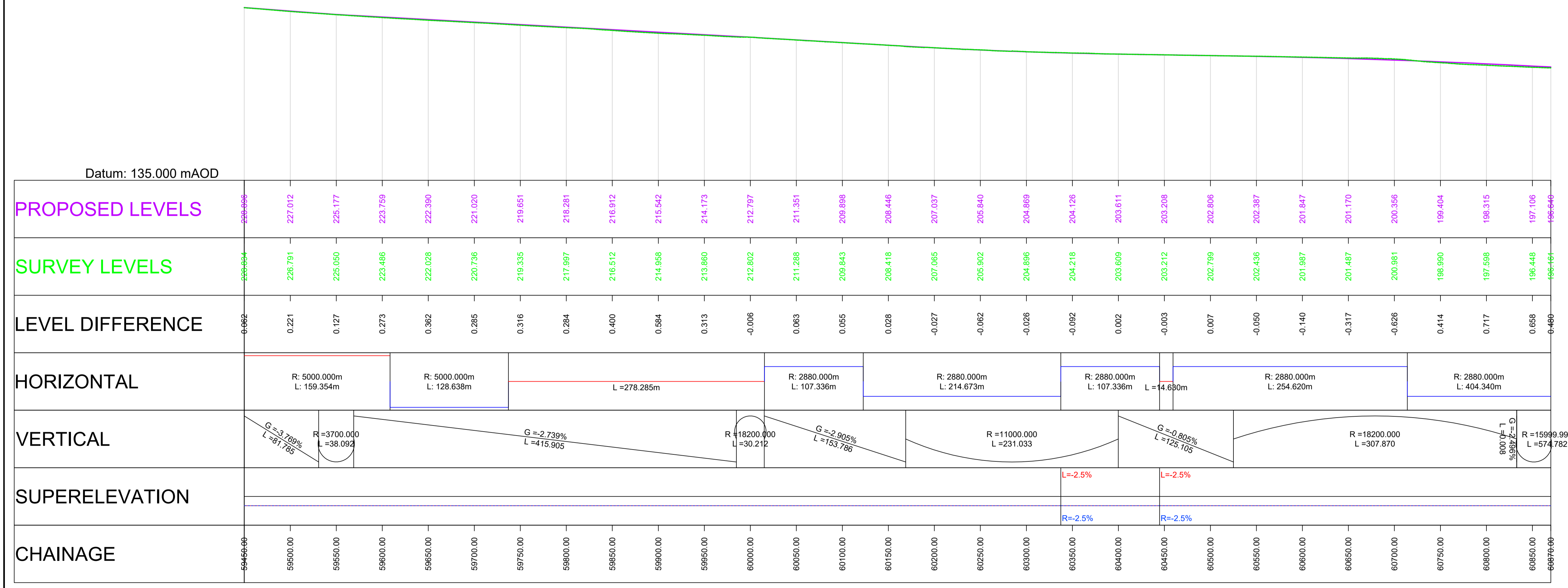


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  - ROAD NAMES
  - CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)
- Profile**
- PROPOSED VERTICAL DESIGN LEVEL
  - EXISTING GROUND LEVEL



Plan View



Profile View

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---	---	---	---	---	---
P01	ISSUED FOR STAT. CON. ROUTE DEV. RPT.				
	AREM	AREM	THAL	FMOL	FMOL
	20/09/21	20/09/21	20/09/21	20/09/21	20/09/21
Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer  
 Amey OW Limited  
 Chancery Exchange  
 10 Funnival Street  
 London, EC4A 1AB

Client  
 3 Piccadilly Place  
 Manchester  
 M1 3BN

Project Name  
**A66 Northern Trans-Pennine**

Drawing Title  
**Red Option  
 Cross Lanes to Rokeby  
 Plan and Profile Mainline  
 Sheet 1 of 3**

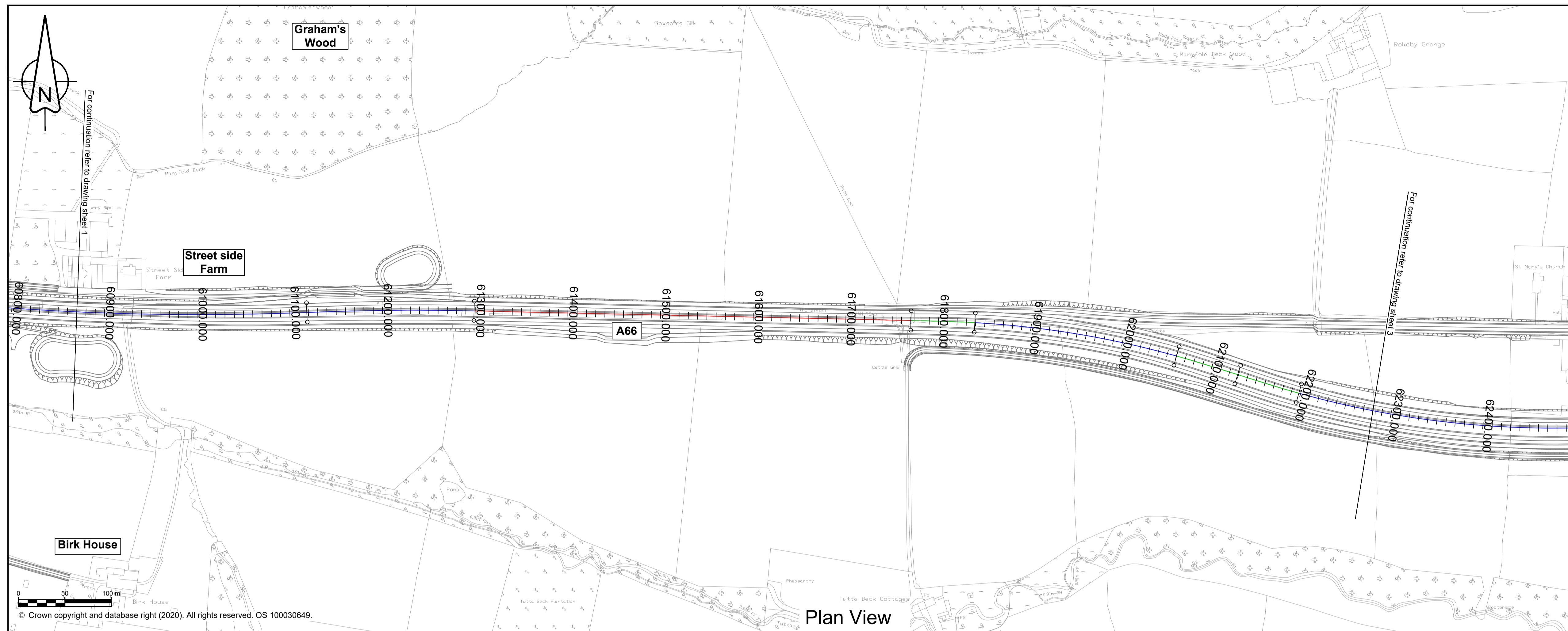
Project Ref. No.	Stage	Scale : 1:2500	@ A1
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Drawing Number	Project	Originator	Volume
HE565627 - AMY - HML -			
S08	-DR-CH-	600031	
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01

Scale H 1:2500; V 1:1250





### NOTES

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### KEY

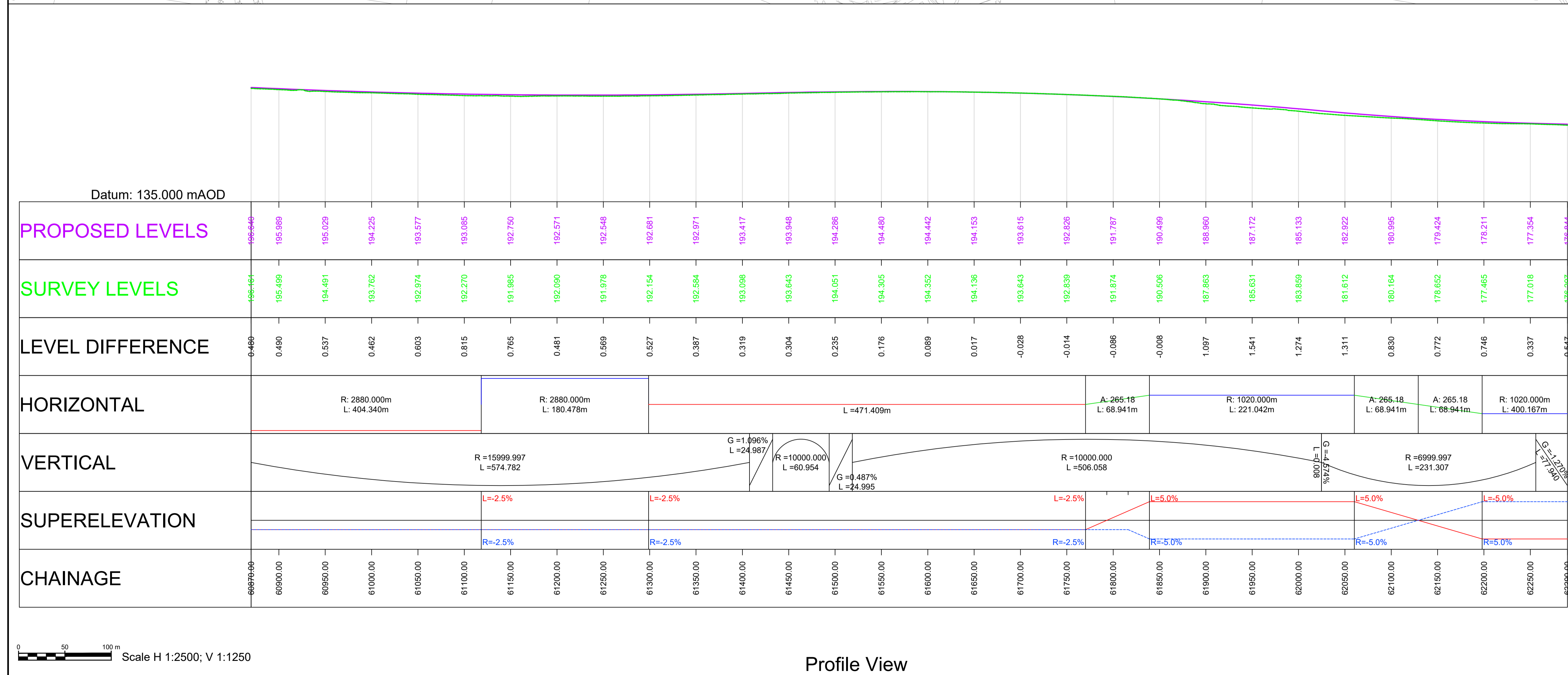
**Plan**

- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- CURVE ALIGNMENT
- STRAIGHT ALIGNMENT
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- CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

**Profile**

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

**SCHEME KEY PLAN**



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---	---	---	---	---	---
P01	ISSUED FOR STAT. CON. ROUTE DEV. RPT.	---	---	---	---
	AREM	AREM	THAL	FMOL	FMOL
	20/09/21	20/09/21	20/09/21	20/09/21	20/09/21
Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer  
Amey OW Limited  
Chancery Exchange  
10 Furnival Street  
London, EC4A 1AB

Client  
3 Piccadilly Place  
Manchester  
M1 3BN

Project Name  
**A66 Northern Trans-Pennine**

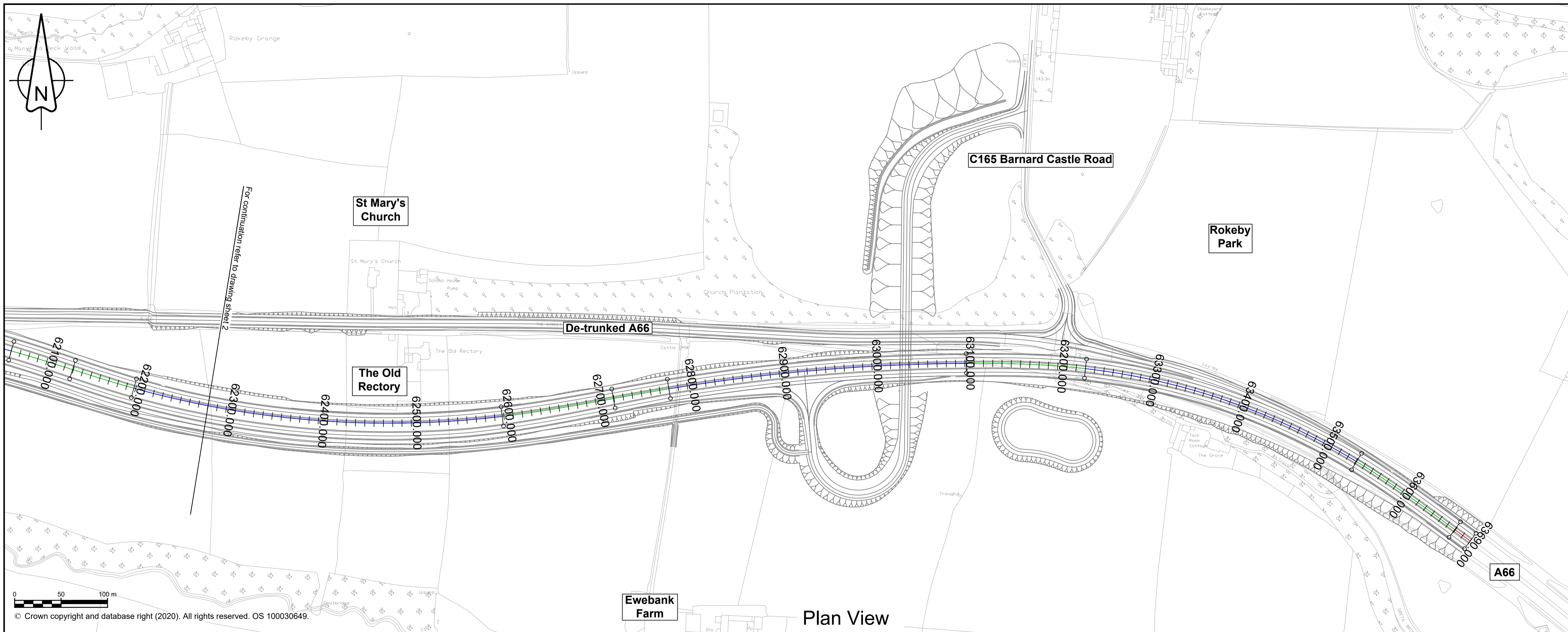
Drawing Title  
**Red Option  
Cross Lanes to Rokeby  
Plan and Profile Mainline  
Sheet 2 of 3**

Project Ref. No.	Stage	Scale: 1:2500	@ A1
---	---	Dimensions: M	

Drawing Number	Project	Originator	Volume
HE565627 - AMY - HML -			
S08	-DR-CH-	600032	
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01





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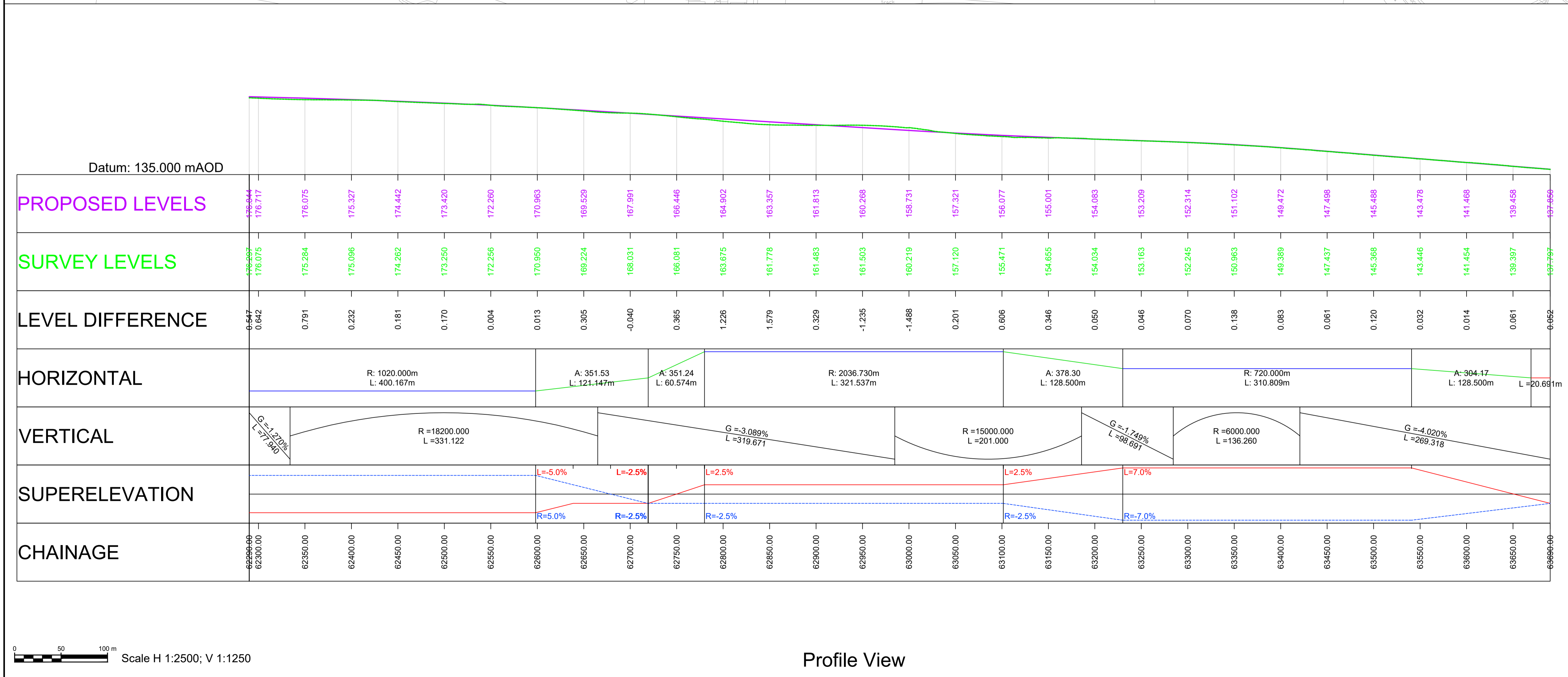
**Plan**

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- CURVE ALIGNMENT
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- CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

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SCHEME KEY PLAN



---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
P01	ISSUED FOR STAT. CON. ROUTE DEV. RPT.				
	AREM	AREM	THAL	FMOL	FMOL
	20/09/21	20/09/21	20/09/21	20/09/21	20/09/21
Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer  
Amey OW Limited  
Chancery Exchange  
10 Funnival Street  
London, EC4A 1AB

Client  
3 Piccadilly Place  
Manchester  
M1 3BN

Project Name  
A66 Northern Trans-Pennine

Drawing Title  
Red Option  
Cross Lanes to Rokeby  
Plan and Profile Mainline  
Sheet 3 of 3

Project Ref. No.	Stage	Scale: 1:2500	@ A1
---	---	Dimensions: M	

Drawing Number	Project	Originator	Volume
HE565627 - AMY - HML -	S08	-DR-CH-	600033
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01