

# **A66 Northern Trans-Pennine Project**

**Scheme 07: Bowes Bypass**

**TR010062**

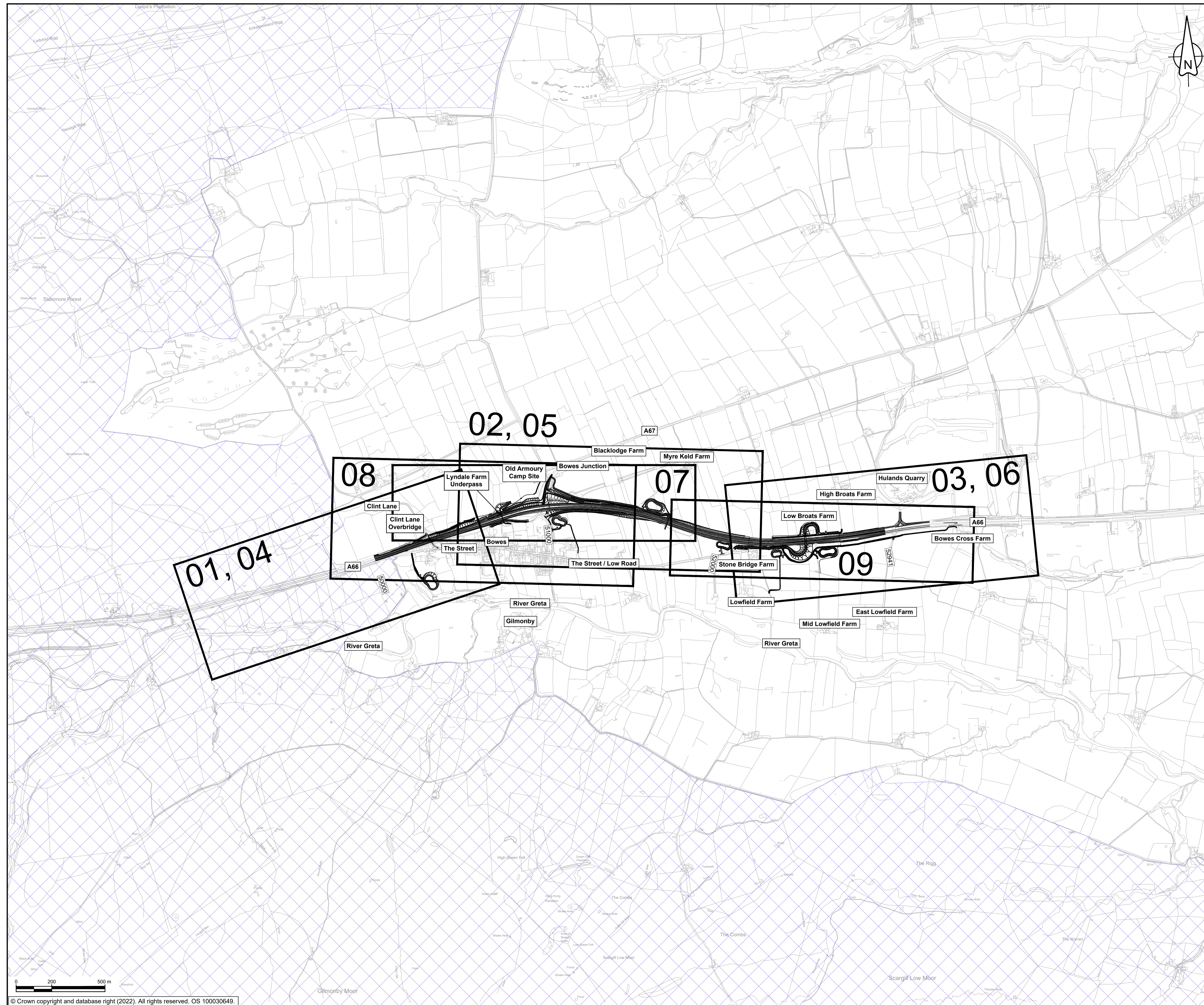
## **5.17 Engineering Section Drawings (Plan and Profiles)**

**APFP Regulations 5(2)(o) and 6(2)**

**Planning Act 2008**

**Infrastructure Planning (Applications: Prescribed Forms and  
Procedure) Regulations 2009**


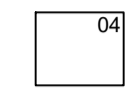


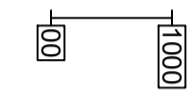
**June 2022**



**NOTES**

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

**KEY**

-  THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
-  SHEET USED AS PART OF THIS DRAWING SERIES
-  SHEET NOT USED AS PART OF THIS DRAWING SERIES
-  AREA OF OUTSTANDING NATURAL BEAUTY (ONB)
-  CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)



C01	For DCO Submission				
	RKIG	RKIG	JBEN	THAL	SSCO
	08/06/22	08/06/22	08/06/22	08/06/22	08/06/22

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

Purpose: DCO APPLICATION

PINS Reference Number: TR010062/APP/5.17

Client:  
3 Piccadilly Place  
Manchester  
M1 3BN



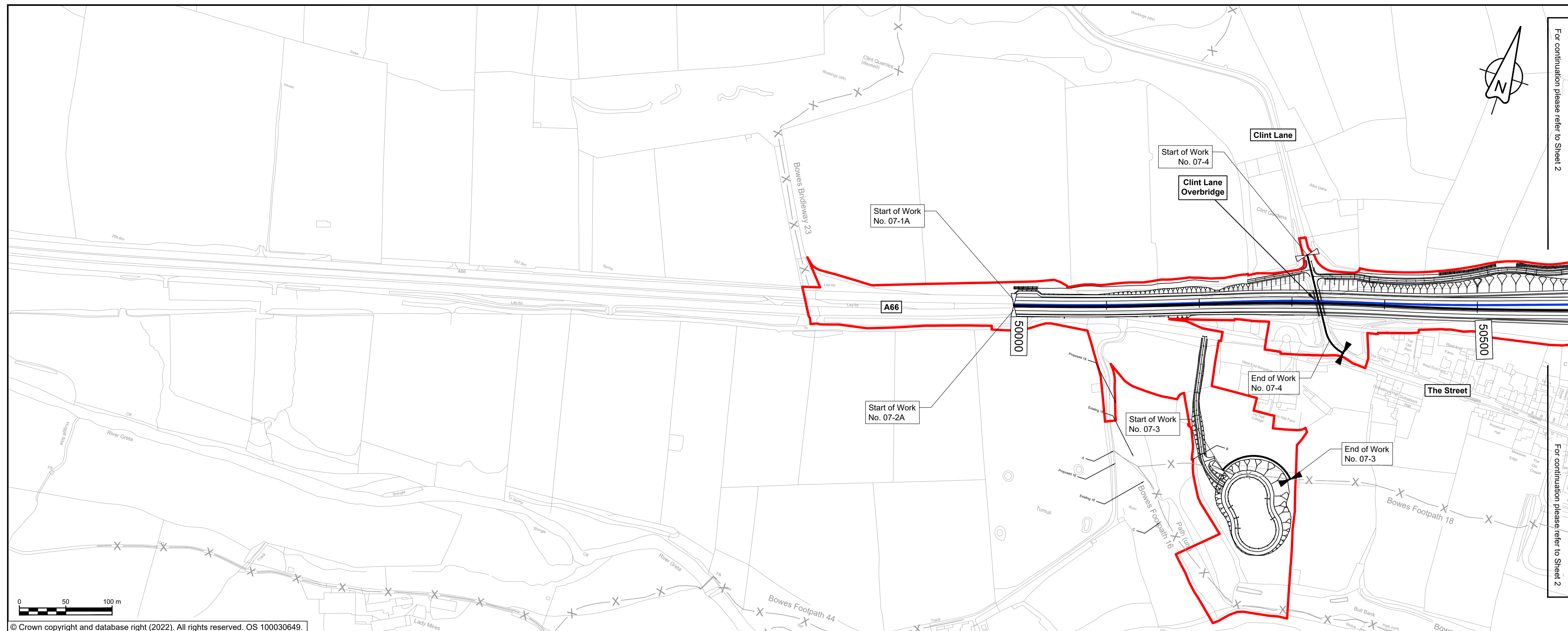
Project Name / Scheme Name:  
**A66 Northern Trans-Pennine Project  
Scheme 07  
Bowes Bypass**

Drawing Title:  
**Engineering Section Drawings  
(Plan and Profiles)  
Regulation 5(2)(o) & 6(2)  
Key Plan**

Project Ref. No.	Stage	Scale	@ A1
---	PCF3	1:10000	
		Dimensions	M

Drawing Number	Project	Originator	Volume
HE565627	- AMY	- HAC	-
S07	-DR-CH-	501000	
Location	Type	Role	Number

Suitability	Suitability Description	Revision
A	Approved for Stage Complete	C01



### NOTES

- ALL DIMENSIONS ARE IN METRES ABOVE DATUM UNLESS NOTED OTHERWISE.
- THESE ENGINEERING SECTION DRAWINGS SHOULD BE READ IN CONJUNCTION WITH THE KEY PLAN AND ALONGSIDE OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER APPLICATION, IN PARTICULAR THE WORKS PLANS AND SCHEDULE 1 (AUTHORISED DEVELOPMENT) TO THE DEVELOPMENT CONSENT ORDER.
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- HORIZONTAL DATA SHOWN ON THE EASTBOUND PROFILE VIEW IS THE RESULT OF THE LATERAL OFFSET OF THE WESTBOUND ALIGNMENT. IT DOES NOT FORM PART OF THE DESIGN AND WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT.

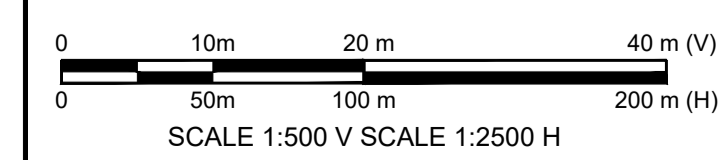
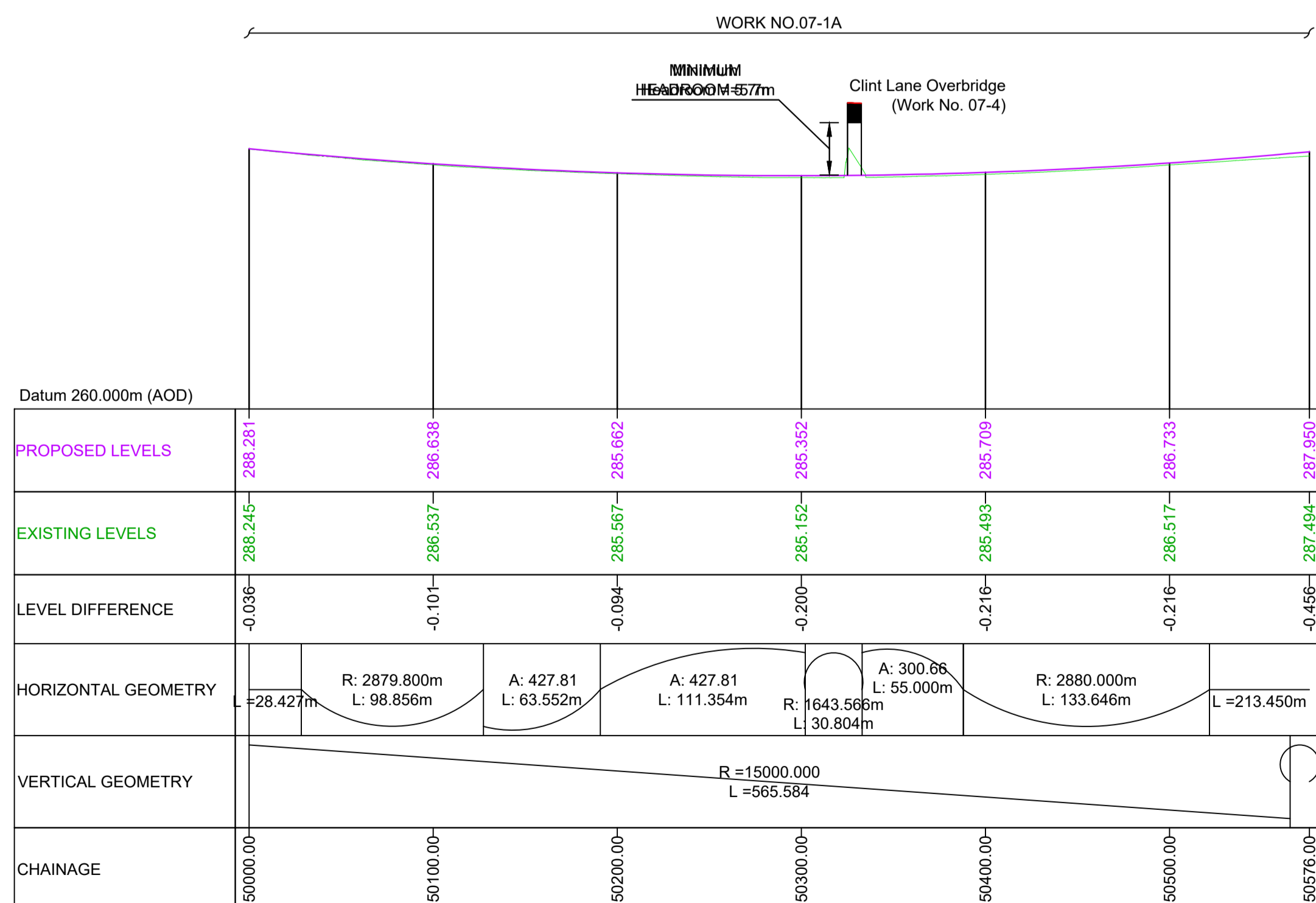
### KEY

- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- LONGITUDINAL SECTION LINE
- PROPOSED LEVEL
- EXISTING LEVEL
- ORDER LIMITS
- PARISH BOUNDARY
- ROAD NAMES
- CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)
- GRADIENT
- LENGTH
- RADIUS

### PROJECT KEY PLAN

### SCHEME KEY PLAN

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### MAINLINE (EASTBOUND) LONGITUDINAL SECTION CH 50000 to CH 50576

C01	For DCO Submission				
	RKIG	RKIG	JBEN	THAL	SSCO
	08/06/22	08/06/22	08/06/22	08/06/22	08/06/22

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

Purpose: DCO APPLICATION

PINS Reference Number: TR010062/APP/5.17

Client: 3 Piccadilly Place, Manchester, M1 3BN

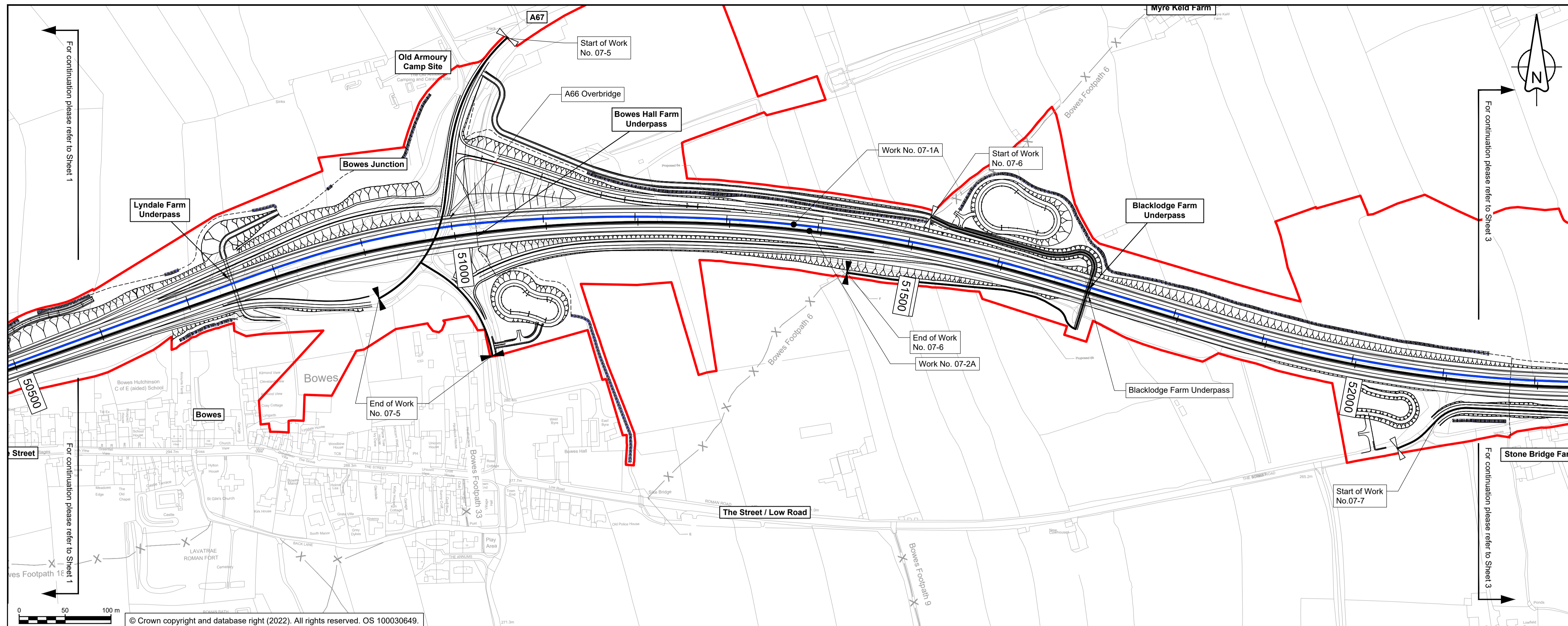
Project Name / Scheme Name: A66 Northern Trans-Pennine Project, Scheme 07, Bowes Bypass

Drawing Title: Engineering Section Drawings (Plan and Profiles), Regulation 5(2)(o) & 6(2), Sheet 1 of 9

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

Drawing Number	Project	Originator	Volume
HE565627	- AMY	- HAC	-
S07	-DR-CH-	501001	
Location	Type	Role	Number

Suitability	Suitability Description	Revision
A	Approved for Stage Complete	C01



### NOTES

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- GRADIENT
- LENGTH
- RADIUS

### PROJECT KEY PLAN

### SCHEME KEY PLAN

For DCO Submission	RKIG	RKIG	JBEN	THAL	SSCO
08/06/22	08/06/22	08/06/22	08/06/22	08/06/22	08/06/22

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

Purpose: DCO APPLICATION

PINS Reference Number: TR010062/APP/5.17

Client: 3 Piccadilly Place, Manchester, M1 3BN

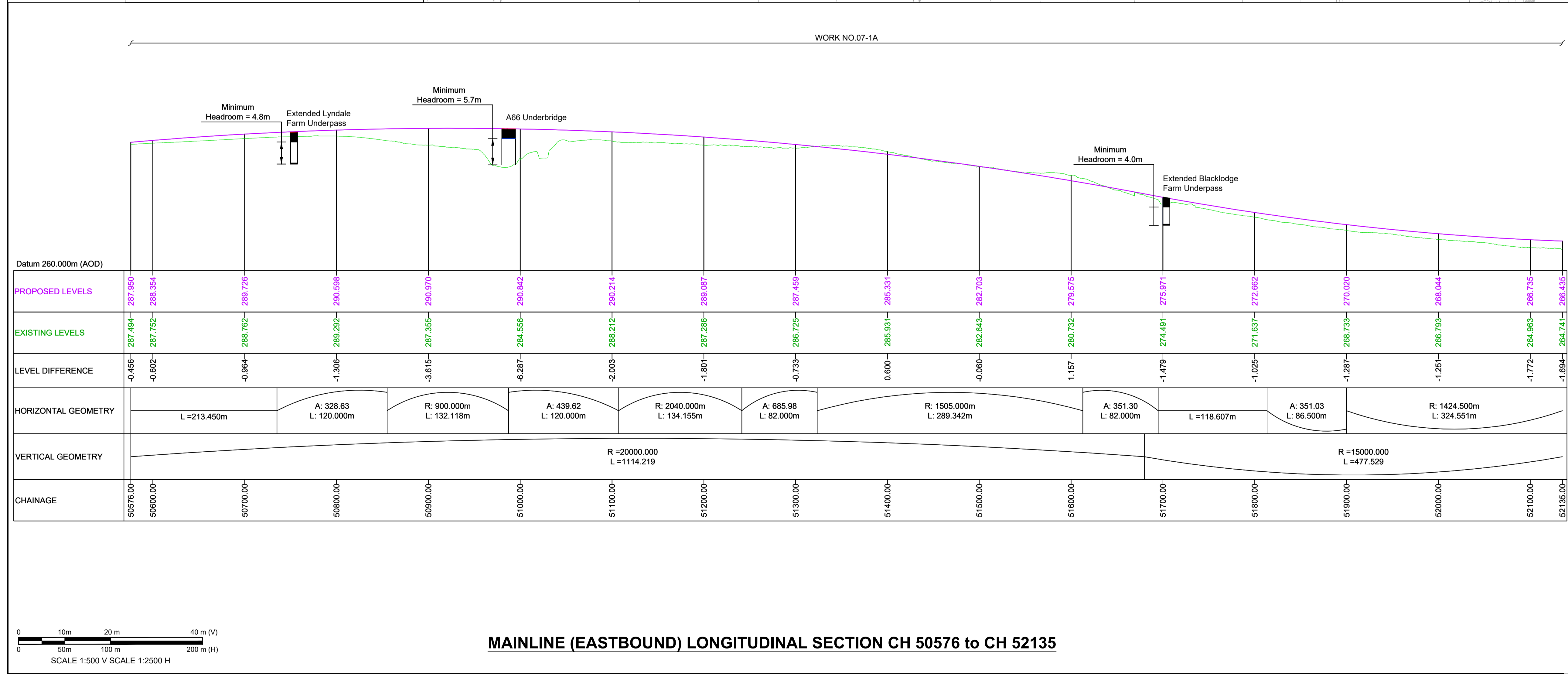
Project Name / Scheme Name: A66 Northern Trans-Pennine Project Scheme 07 BOWES BYPASS

Drawing Title: Engineering Section Drawings (Plan and Profiles) Regulation 5(2)(o) & 6(2) Sheet 2 of 9

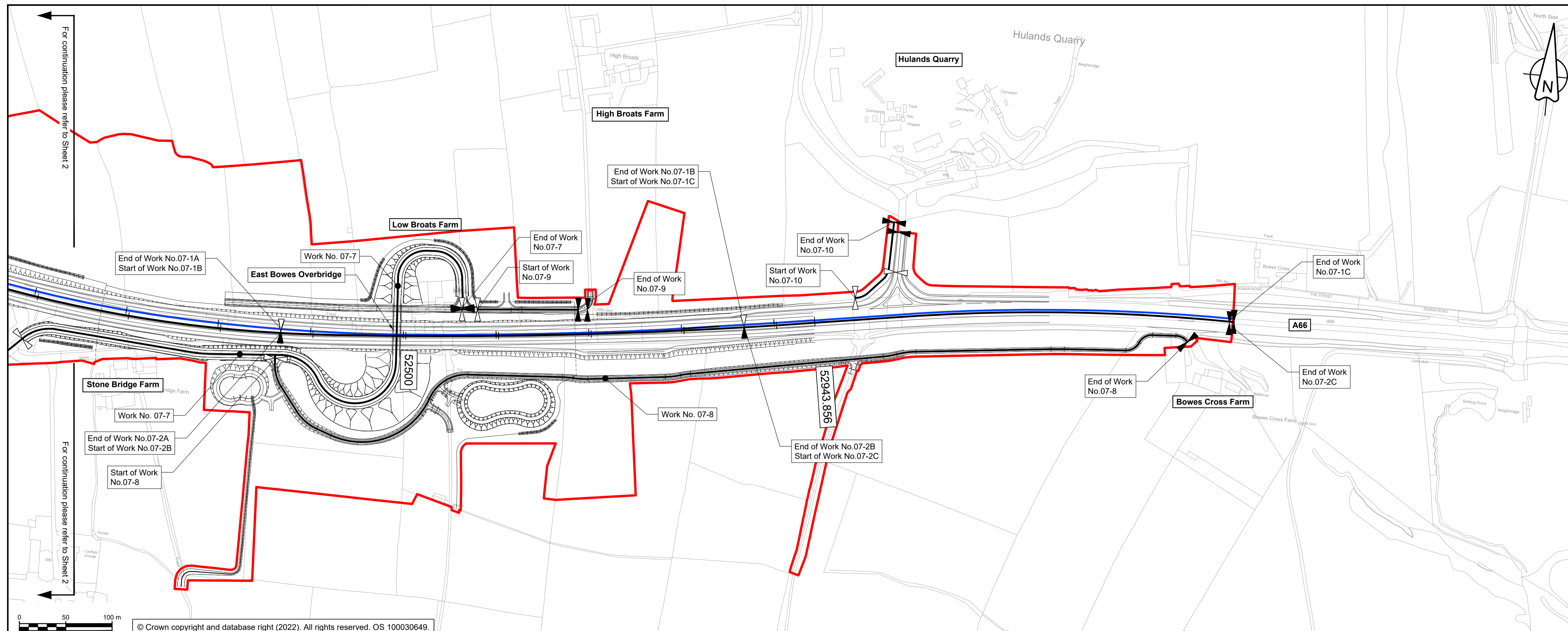
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Drawing Number	Project	Originator	Volume
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Location	Type	Role	Number
S07	-DR-CH-	501002	

Suitability	Suitability Description	Revision
A	Approved for Stage Complete	C01



MAINLINE (EASTBOUND) LONGITUDINAL SECTION CH 50576 to CH 52135

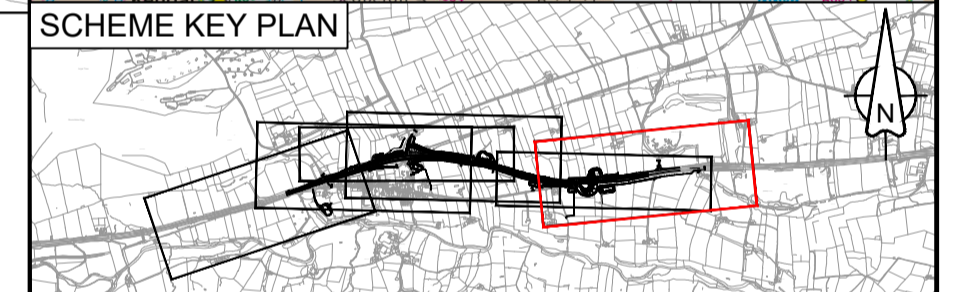
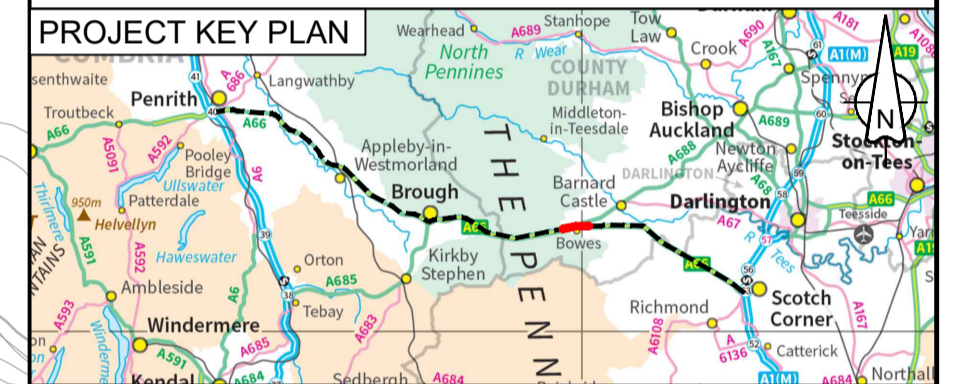


**NOTES**

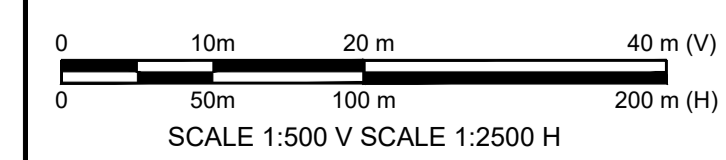
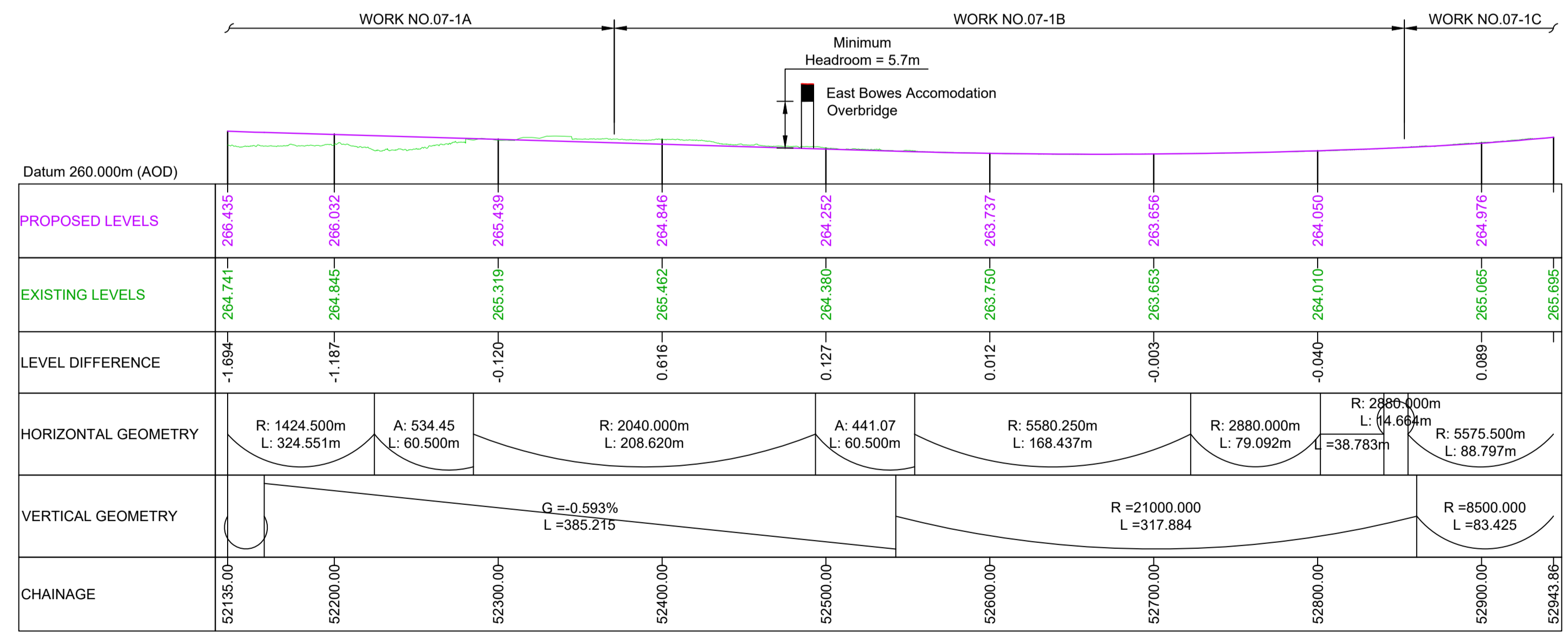
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**KEY**

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- PROPOSED LEVEL
- EXISTING LEVEL
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- PARISH BOUNDARY
- ROAD NAMES
- CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)
- GRADIENT
- LENGTH
- RADIUS



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**MAINLINE (EASTBOUND) LONGITUDINAL SECTION CH 52135 to CH 52943**

C01	For DCO Submission				
	RKIG	RKIG	JBEN	THAL	SSCO
	08/06/22	08/06/22	08/06/22	08/06/22	08/06/22
Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

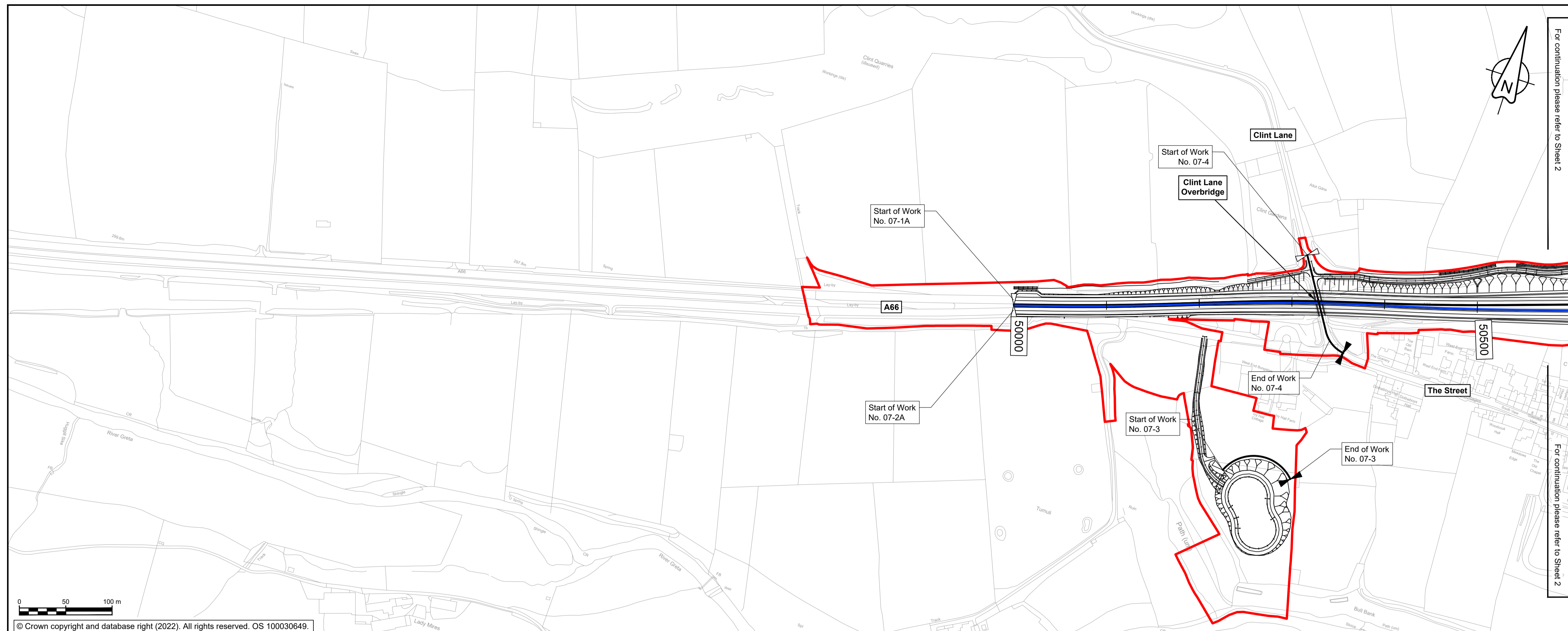
Purpose	DCO APPLICATION
PINS Reference Number	TR010062/APP/5.17

Client	3 Piccadilly Place Manchester M1 3BN	
Project Name / Scheme Name	A66 Northern Trans-Pennine Project Scheme 07 Bowes Bypass	

Drawing Number	Project	Originator	Volume
HE565627 - AMY - HAC -			
S07	-DR-CH-	501003	
Location	Type	Role	Number

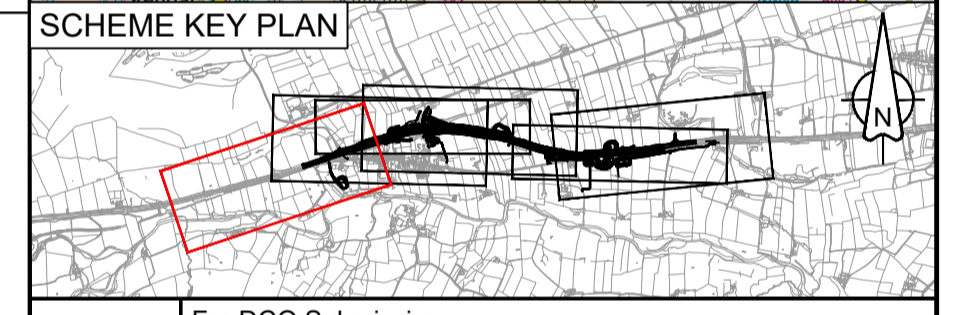
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		Dimensions	M

Suitability	Suitability Description	Revision
A	Approved for Stage Complete	C01

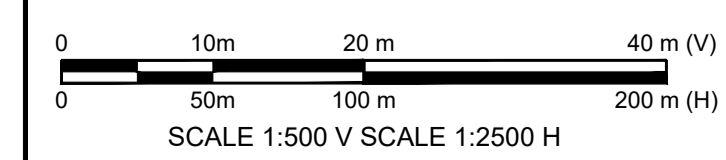
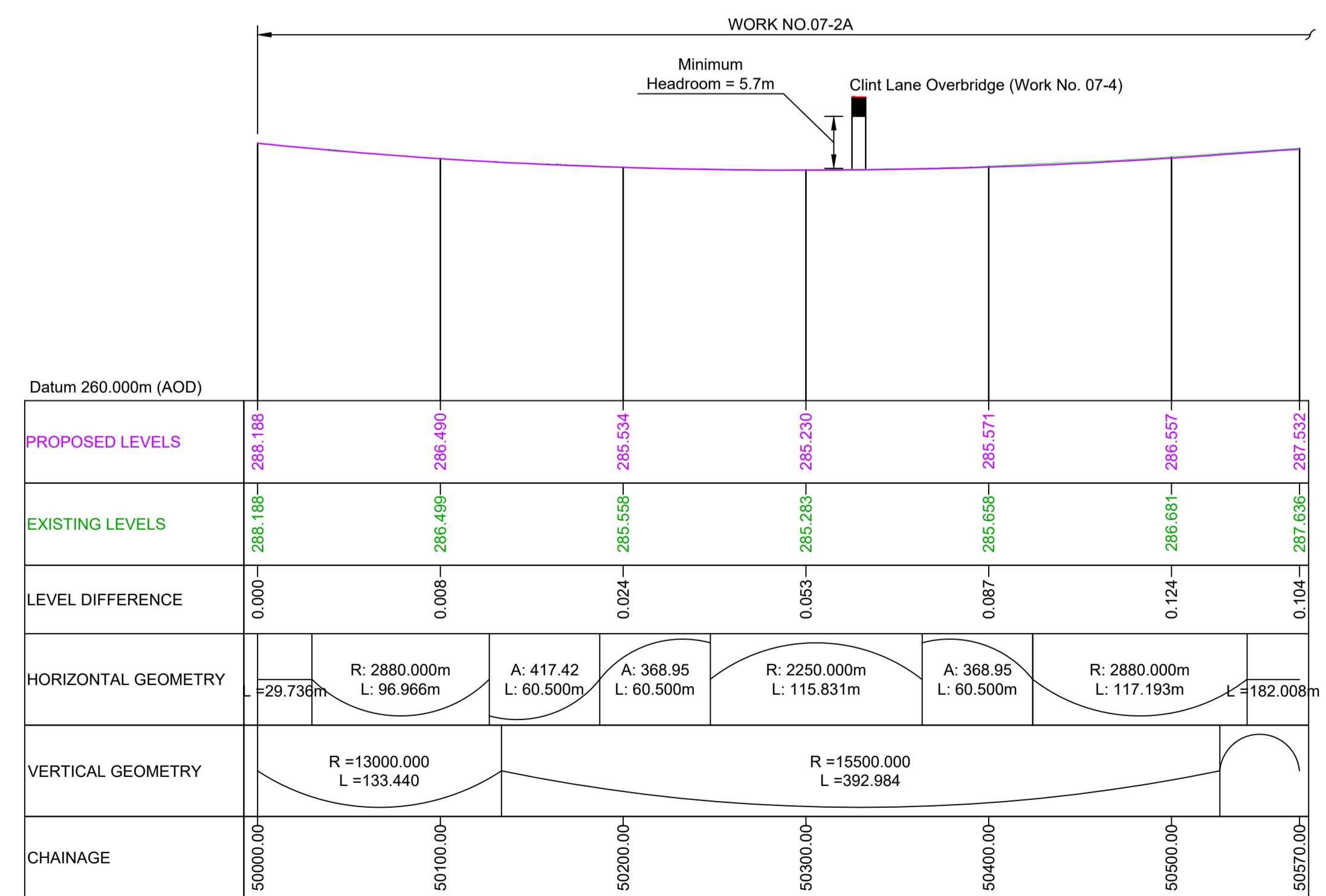


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  - LONGITUDINAL SECTION LINE
  - PROPOSED LEVEL
  - EXISTING LEVEL
  - ORDER LIMITS
  - PARISH BOUNDARY
  - ROAD NAMES
  - CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)
  - GRADIENT
  - LENGTH
  - RADIUS



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**MAINLINE (WESTBOUND) LONGITUDINAL SECTION CH 50000 to CH 50570**

C01	For DCO Submission				
	RKIG	RKIG	JBEN	THAL	SSCO
	08/06/22	08/06/22	08/06/22	08/06/22	08/06/22
Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

**Purpose**  
DCO APPLICATION

**PINS Reference Number**  
TR010062/APP/5.17

**Client**  
3 Piccadilly Place  
Manchester  
M1 3BN

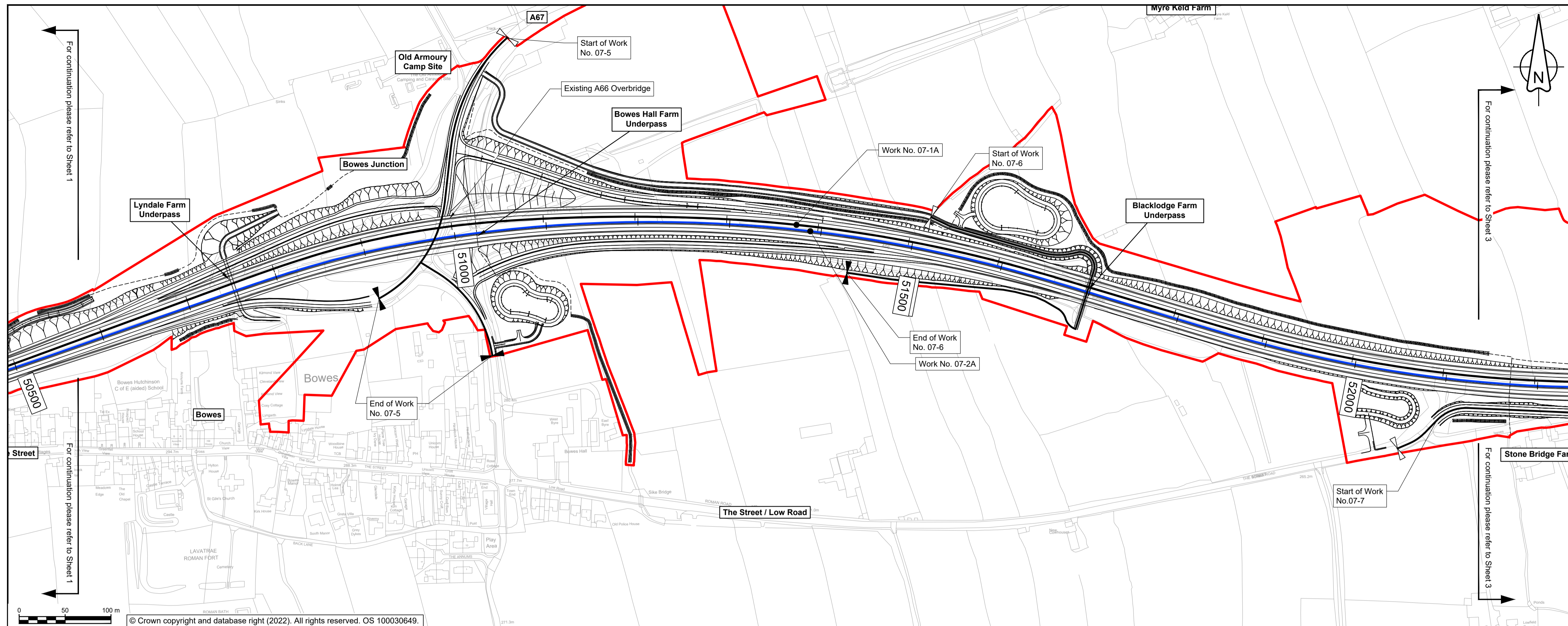
**Project Name / Scheme Name**  
A66 Northern Trans-Pennine Project  
Scheme 07  
Bowes Bypass

**Drawing Title**  
Engineering Section Drawings  
(Plan and Profiles)  
Regulation 5(2)(o) & 6(2)  
Sheet 4 of 9

Project Ref. No.	Stage	Scale	@ A1
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		Dimensions	M

**Drawing Number**  
Project | Originator | Volume |  
HE565627 - AMY - HAC -  
S07 -DR-CH- 501004  
Location | Type | Role | Number

Suitability	Suitability Description	Revision
A	Approved for Stage Complete	C01

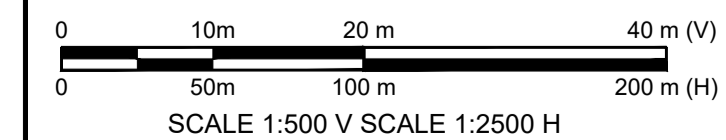
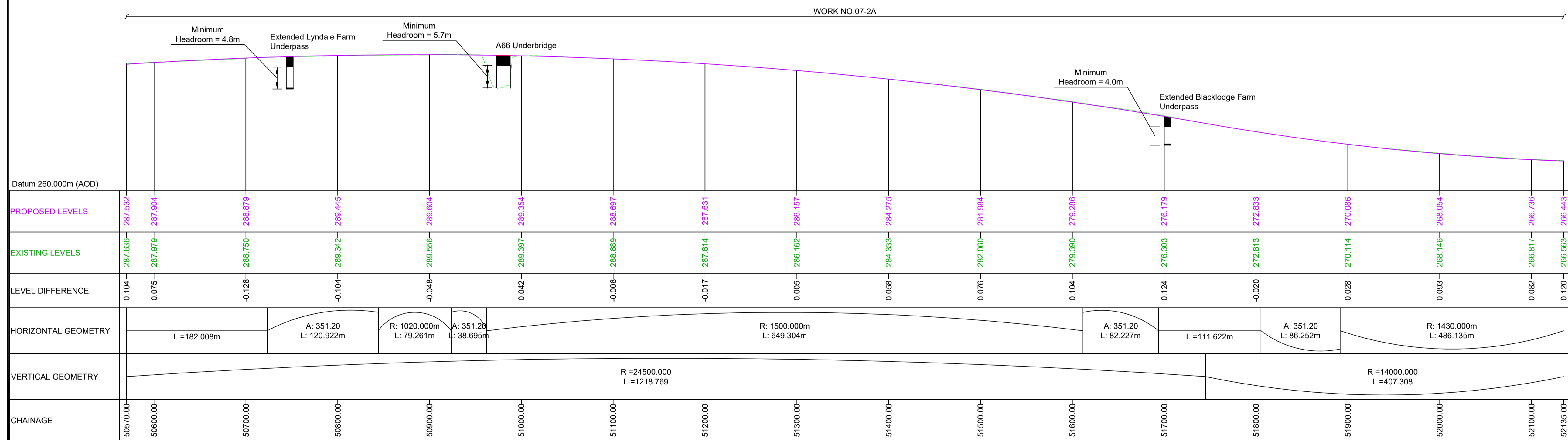
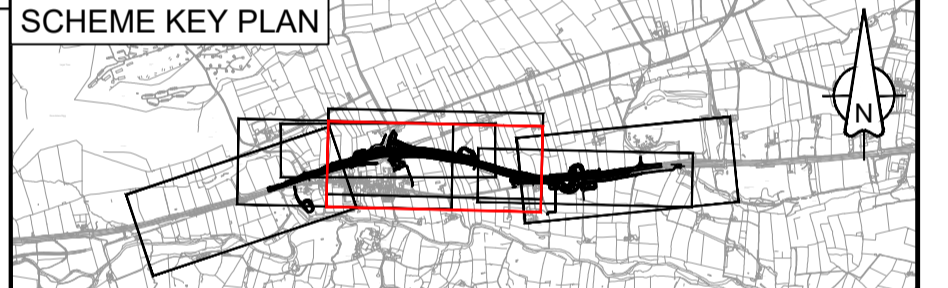
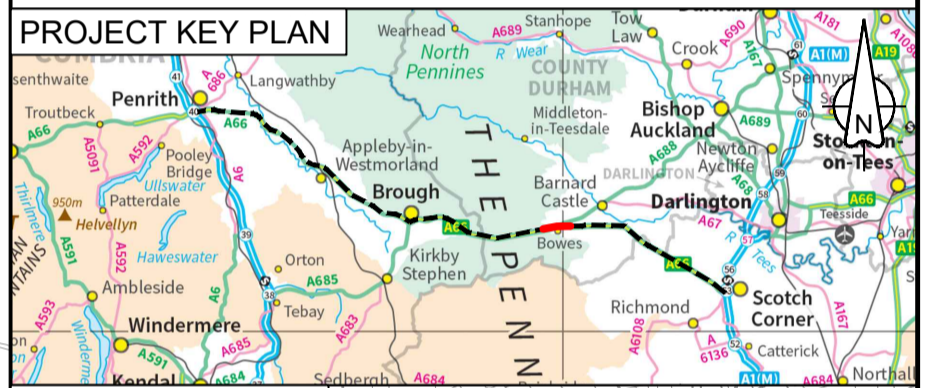


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**KEY**

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- LONGITUDINAL SECTION LINE
- PROPOSED LEVEL
- EXISTING LEVEL
- ORDER LIMITS
- PARISH BOUNDARY
- ROAD NAMES
- CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)
- GRADIENT
- LENGTH
- RADIUS



**MAINLINE (WESTBOUND) LONGITUDINAL SECTION CH 50570 to CH 52135**

C01	For DCO Submission				
	RKIG	RKIG	JBEN	THAL	SSCO
	08/06/22	08/06/22	08/06/22	08/06/22	08/06/22
Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Purpose	DCO APPLICATION
PINS Reference Number	TR010062/APP/5.17

Client	3 Piccadilly Place Manchester M1 3BN	
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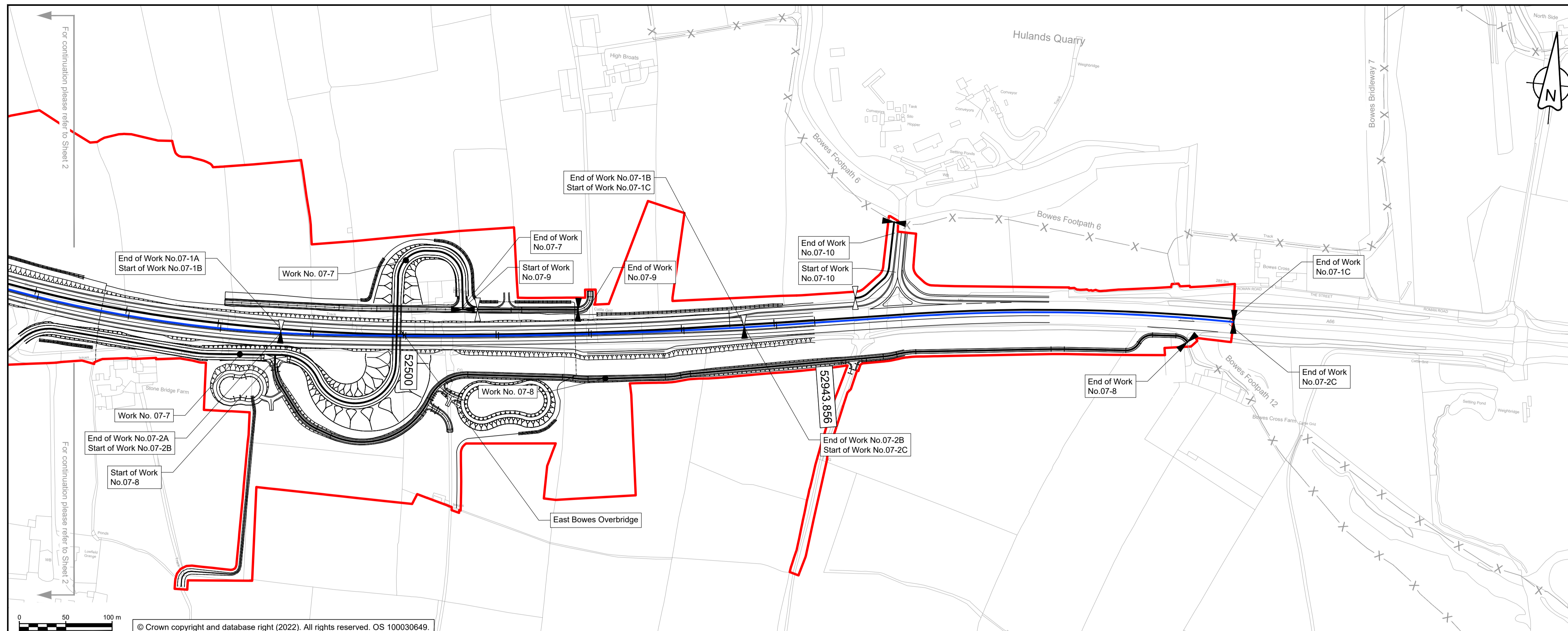
Project Name / Scheme Name  
**A66 Northern Trans-Pennine Project  
Scheme 07  
Boves Bypass**

Drawing Title  
**Engineering Section Drawings  
(Plan and Profiles)  
Regulation 5(2)(o) & 6(2)  
Sheet 5 of 9**

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

Drawing Number	Project	Originator	Volume
HE565627 - AMY - HAC -			
S07	-DR-CH-	501005	
Location	Type	Role	Number

Suitability	Suitability Description	Revision
A	Approved for Stage Complete	C01

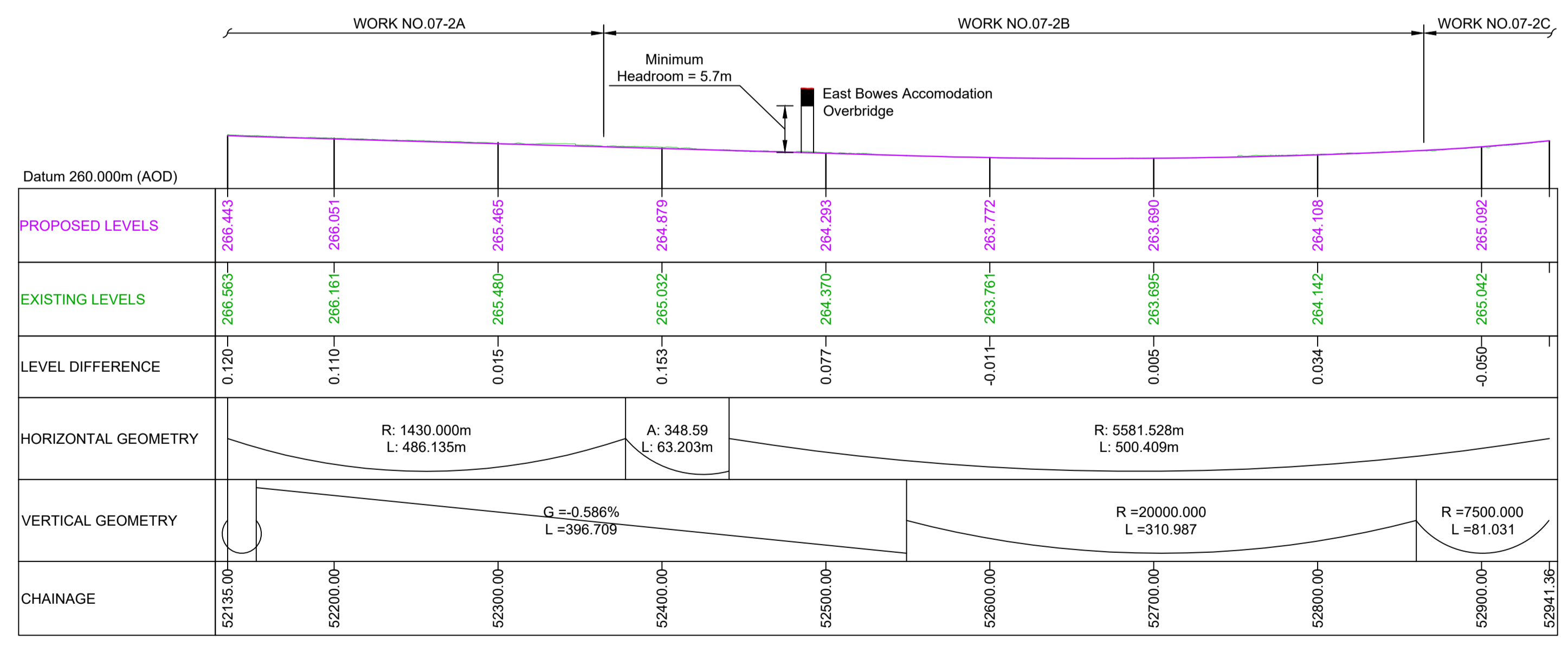
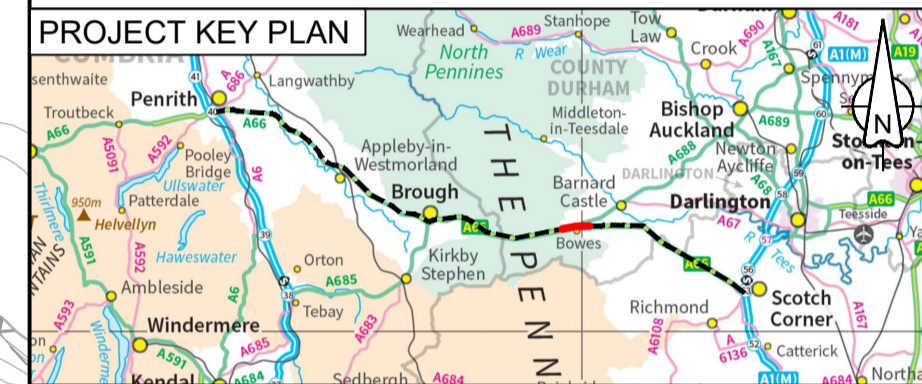


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- LENGTH
- RADIUS



**MAINLINE (WESTBOUND) LONGITUDINAL SECTION CH 52140 to CH 52941**

C01	For DCO Submission				
	RKIG	RKIG	JBEN	THAL	SSCO
	08/06/22	08/06/22	08/06/22	08/06/22	08/06/22

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

Purpose	DCO APPLICATION
PINS Reference Number	TR010062/APP/5.17

Client  
3 Piccadilly Place  
Manchester  
M1 3BN

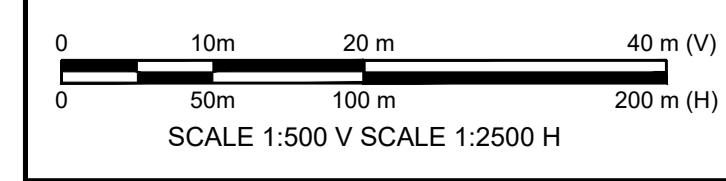
Project Name / Scheme Name  
**A66 Northern Trans-Pennine Project  
Scheme 07  
Bowes Bypass**

Drawing Title  
**Engineering Section Drawings  
(Plan and Profiles)  
Regulation 5(2)(o) & 6(2)  
Sheet 6 of 9**

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

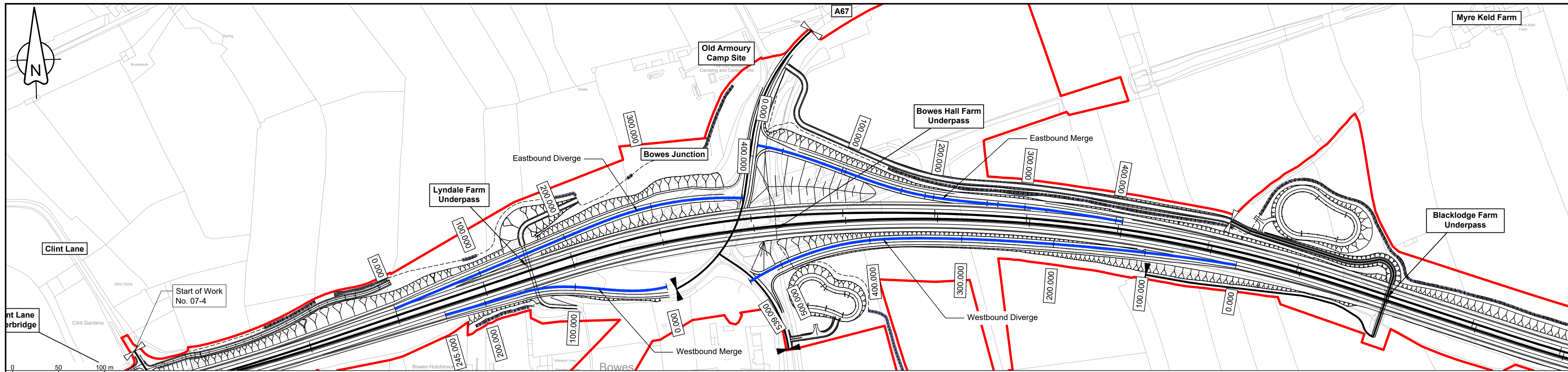
Drawing Number	Project	Originator	Volume
HE565627	- AMY	- HAC	-
S07	-DR-CH-	501006	
Location	Type	Role	Number

Suitability	Suitability Description	Revision
A	Approved for Stage Complete	C01



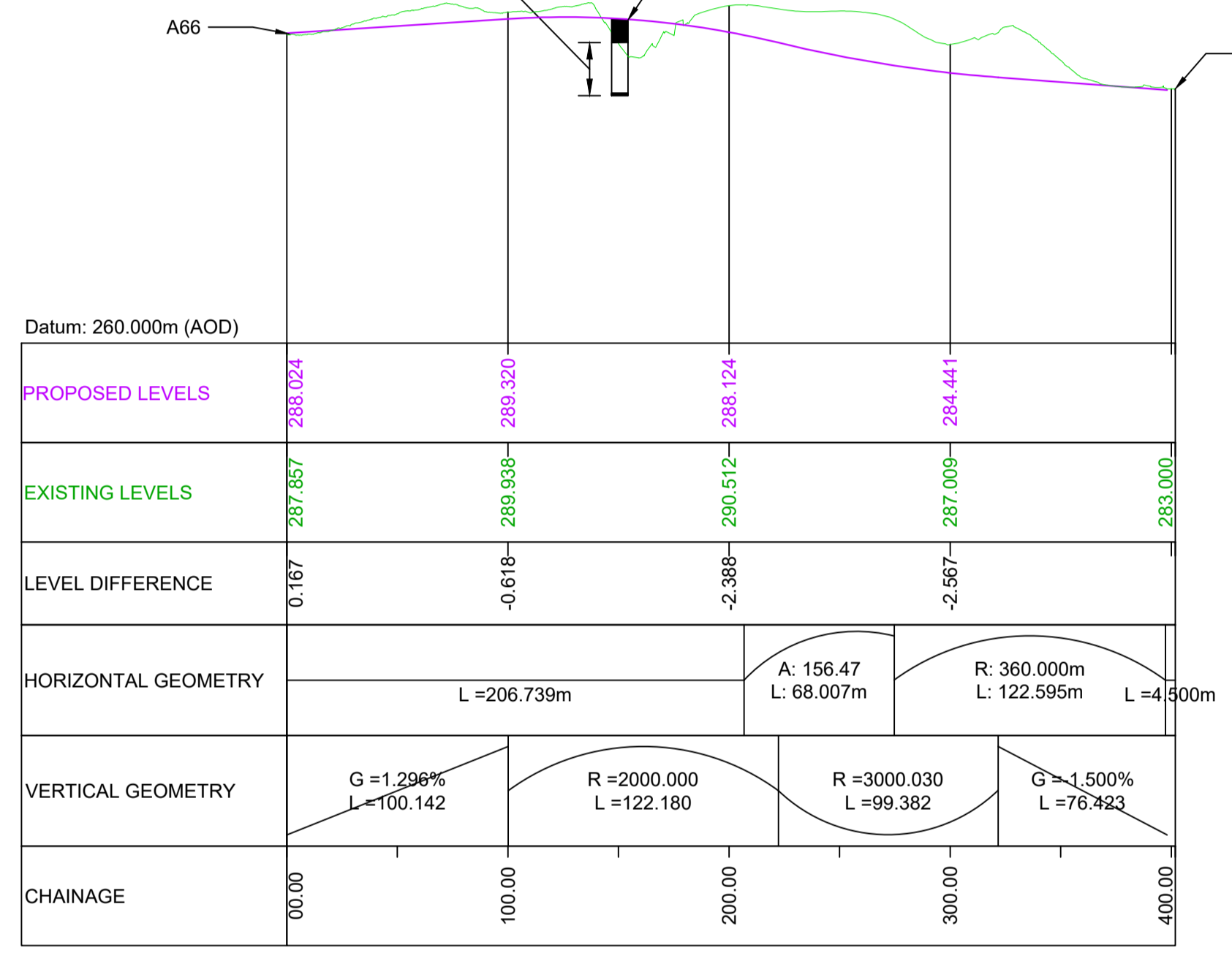
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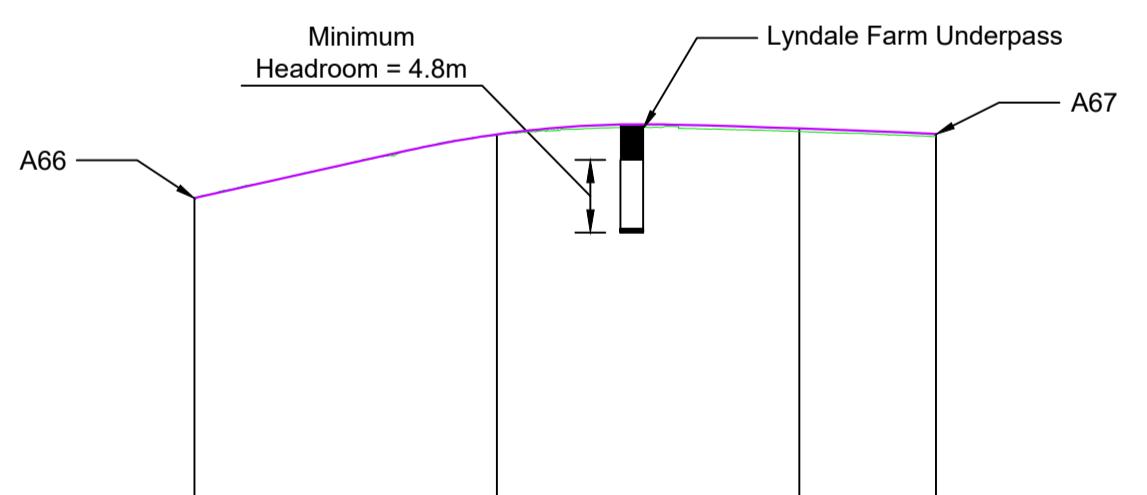


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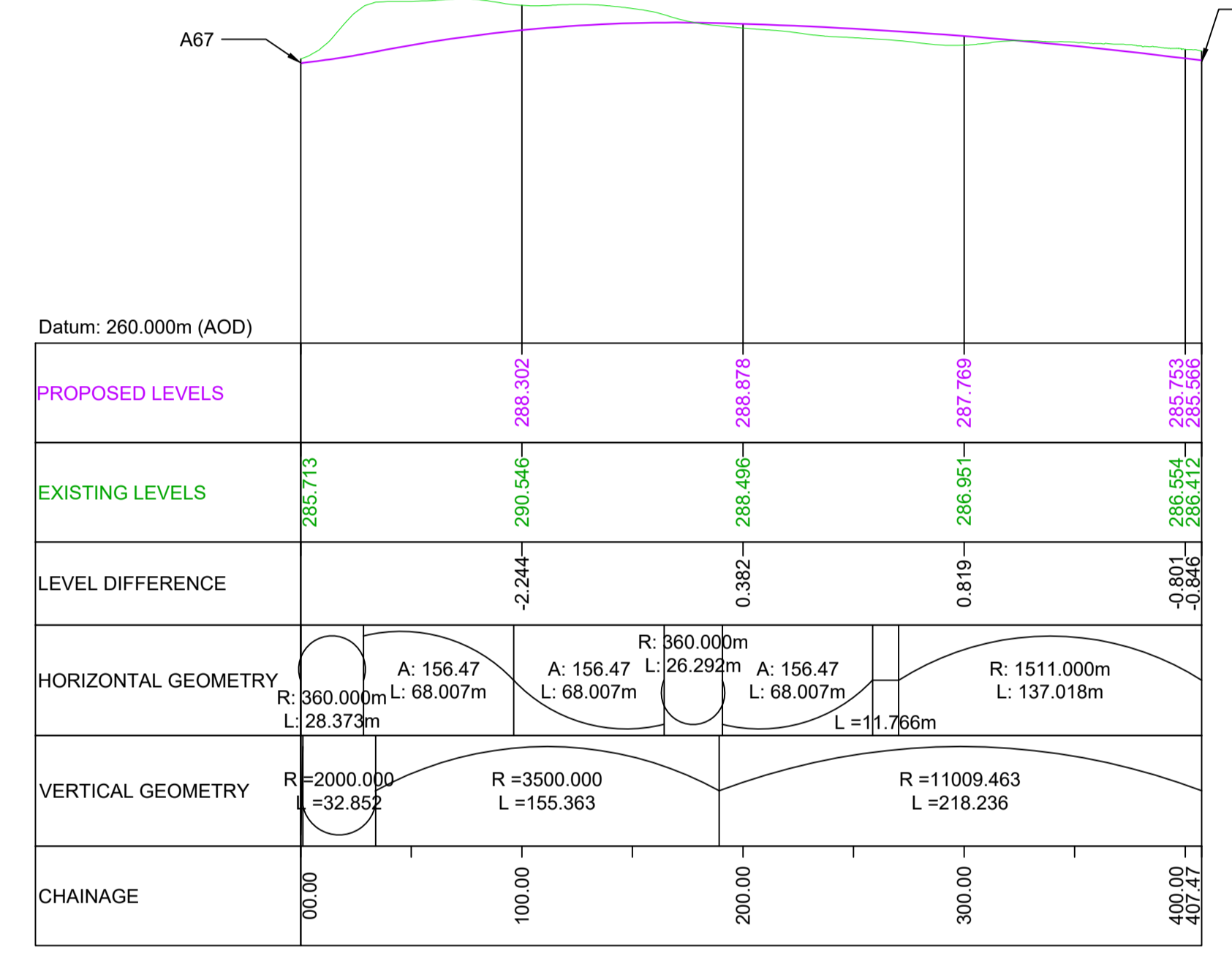
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  - CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)
  - GRADIENT
  - LENGTH
  - RADIUS



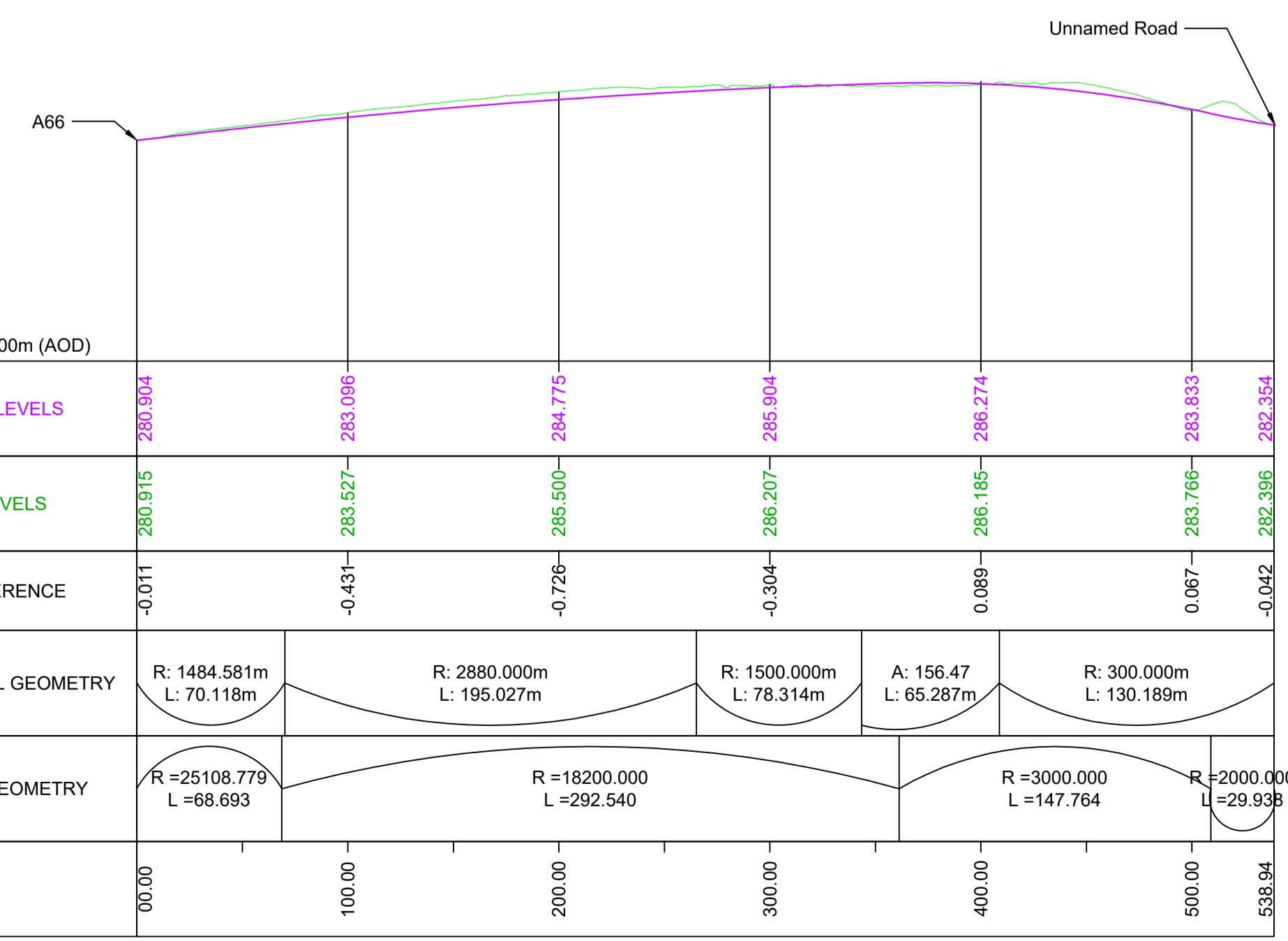
**EASTBOUND DIVERGE  
LONGITUDINAL SECTION CH 000 to CH 402**



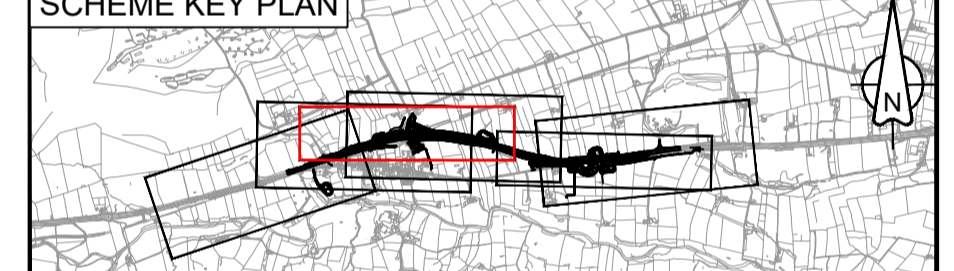
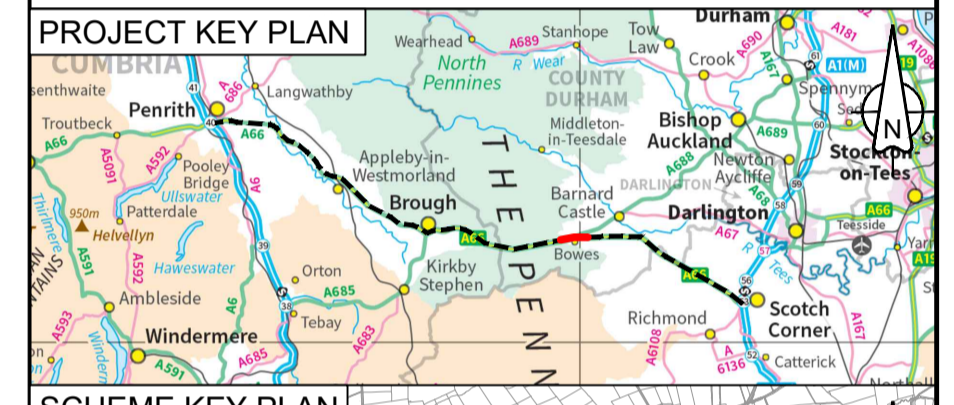
**WESTBOUND MERGE  
LONGITUDINAL SECTION CH 000 to CH 245**



**EASTBOUND MERGE  
LONGITUDINAL SECTION CH 000 to CH 407**



**WESTBOUND DIVERGE  
LONGITUDINAL SECTION CH 000 to CH 539**



For DCO Submission					
Revision	Created	Checked	Reviewed	Approved	Authorised
dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy
C01	08/06/22	08/06/22	08/06/22	08/06/22	08/06/22

Purpose	DCO APPLICATION
PINS Reference Number	TR010062/APP/5.17

Client  
3 Piccadilly Place  
Manchester  
M1 3BN

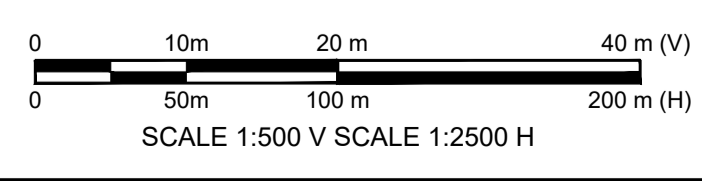
Project Name / Scheme Name  
**A66 Northern Trans-Pennine Project  
Scheme 07  
Bowes Bypass**

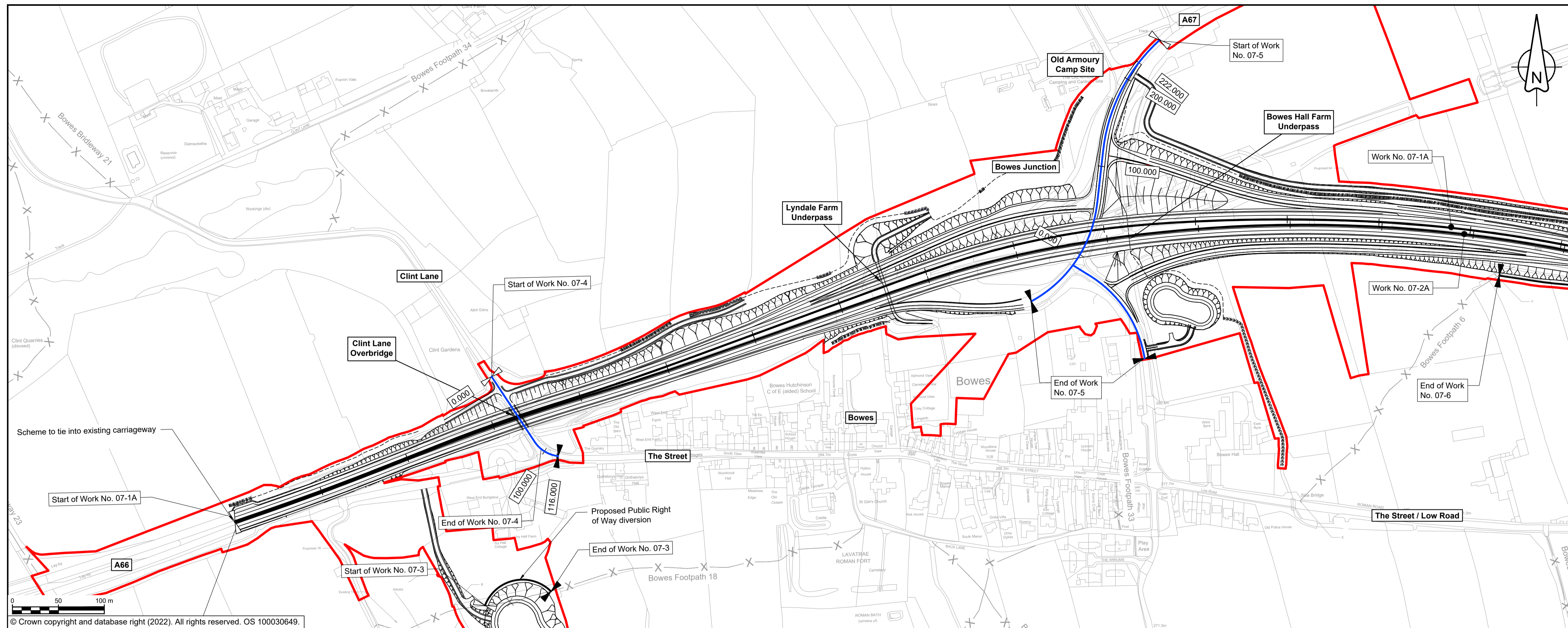
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**Engineering Section Drawings  
(Plan and Profiles)  
Regulation 5(2)(o) & 6(2)  
Sheet 7 of 9**

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

Drawing Number	Project	Originator	Volume
HE565627 - AMY - HAC -			
S07	-DR-CH-	501007	
Location	Type	Role	Number

Suitability	Suitability Description	Revision
A	Approved for Stage Complete	C01





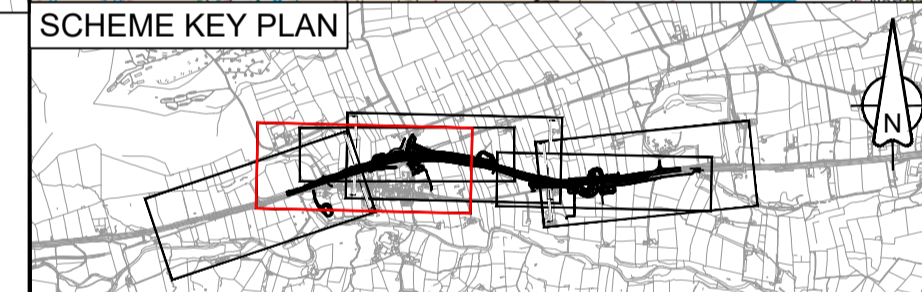
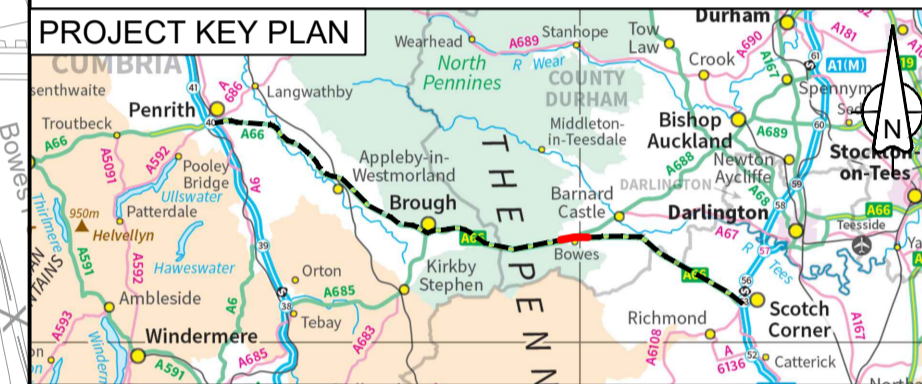
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**NOTES**

- ALL DIMENSIONS ARE IN METRES ABOVE DATUM UNLESS NOTED OTHERWISE.
- THESE ENGINEERING SECTION DRAWINGS SHOULD BE READ IN CONJUNCTION WITH THE KEY PLAN AND ALONGSIDE OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER APPLICATION. IN PARTICULAR THE WORKS PLANS AND SCHEDULE 1 (AUTHORISED DEVELOPMENT) TO THE DEVELOPMENT CONSENT ORDER.
- WORK NO. REFERENCES ARE DETAILED IN SCHEDULE 1 (AUTHORISED DEVELOPMENT) TO THE DEVELOPMENT CONSENT ORDER.
- THE DESIGN SHOWN ON THESE ENGINEERING SECTION DRAWINGS IS ILLUSTRATIVE AND WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT; ANY CHANGES WILL BE LIMITED TO BEING WITHIN THE ORDER LIMITS AND ANY OTHER CONSTRAINTS INCLUDED IN THE DEVELOPMENT CONSENT ORDER.
- HORIZONTAL DATA SHOWN ON THE EASTBOUND PROFILE VIEW IS THE RESULT OF THE LATERAL OFFSET OF THE WESTBOUND ALIGNMENT. IT DOES NOT FORM PART OF THE DESIGN AND WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT.

**KEY**

- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- LONGITUDINAL SECTION LINE
- PROPOSED LEVEL
- EXISTING LEVEL
- ORDER LIMITS
- PARISH BOUNDARY
- ROAD NAMES
- CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)
- GRADIENT
- LENGTH
- RADIUS



C01	For DCO Submission				
	RKIG	RKIG	JBEN	THAL	SSCO
	08/06/22	08/06/22	08/06/22	08/06/22	08/06/22

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

Purpose: **DCO APPLICATION**

PINS Reference Number: **TR010062/APP/5.17**

Client: **3 Piccadilly Place, Manchester, M1 3BN**

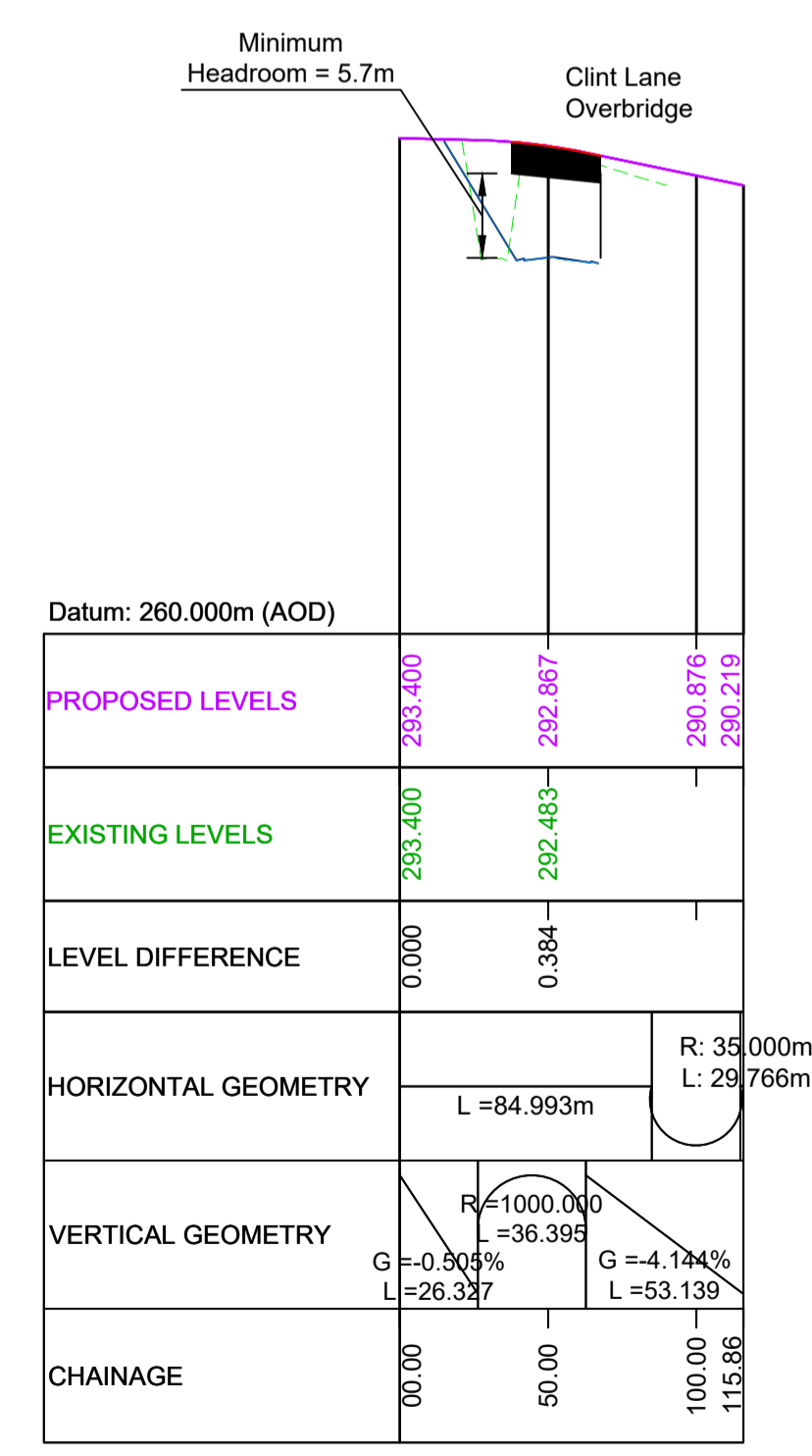
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Drawing Title: **Engineering Section Drawings (Plan and Profiles) Regulation 5(2)(o) & 6(2) Sheet 8 of 9**

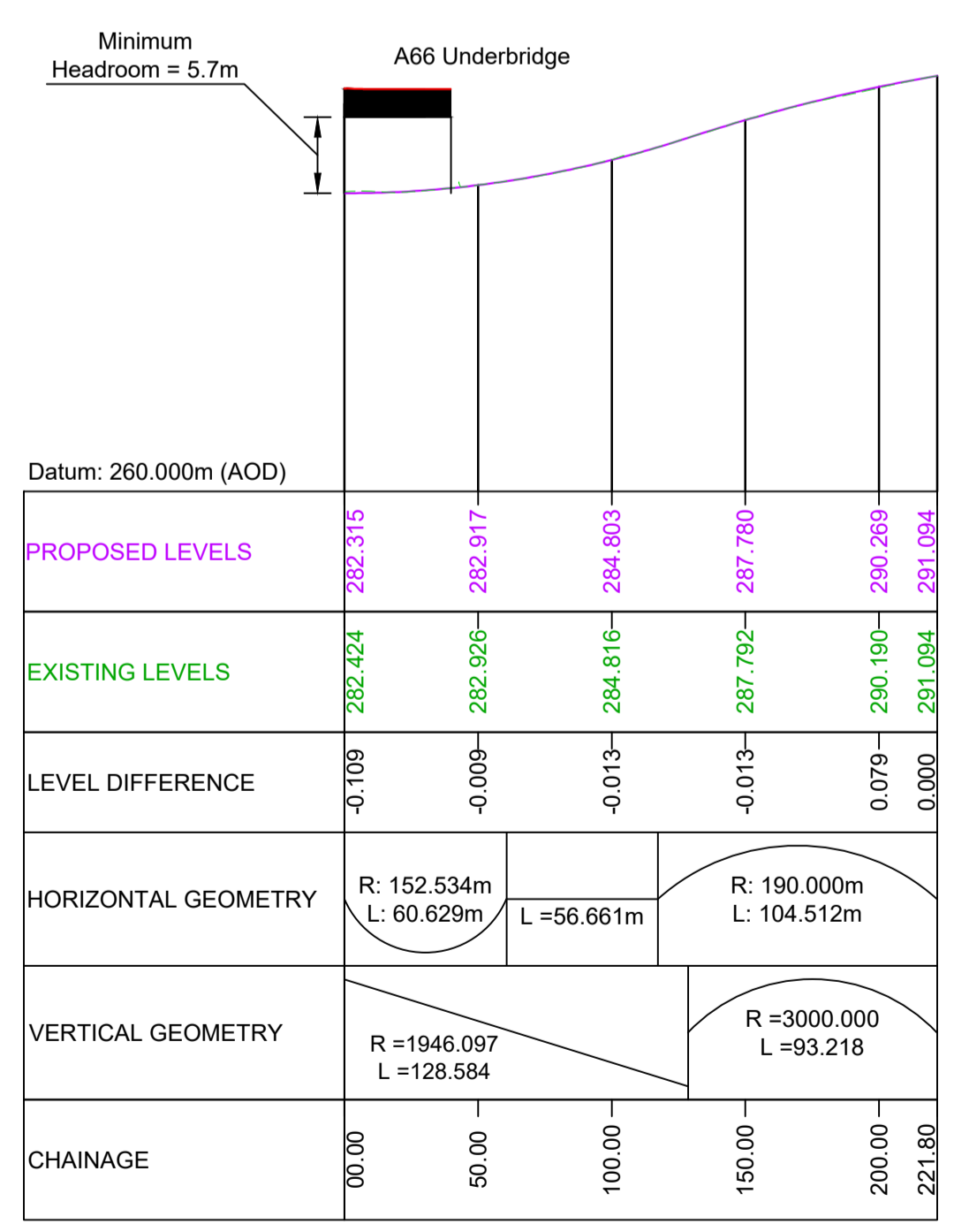
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Location: <b>-DR-CH-501008</b>	Type:   Role:   Number:

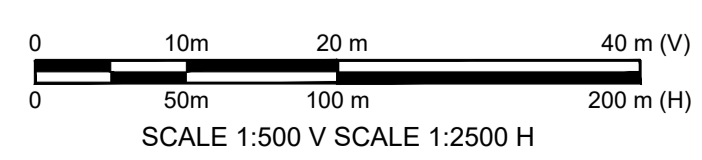
Suitability: <b>A</b>	Suitability Description: <b>Approved for Stage Complete</b>	Revision: <b>C01</b>
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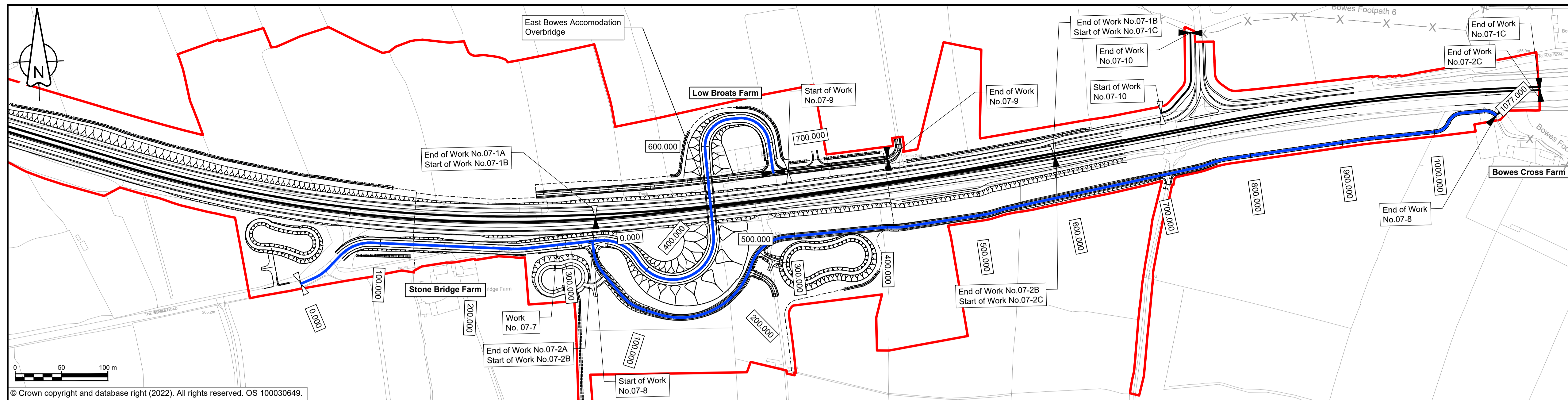


**WORK NO. 07-4**  
**LONGITUDINAL SECTION CH 000 TO CH 090**



**WORK NO. 07-5**  
**LONGITUDINAL SECTION CH 000 to CH 221**





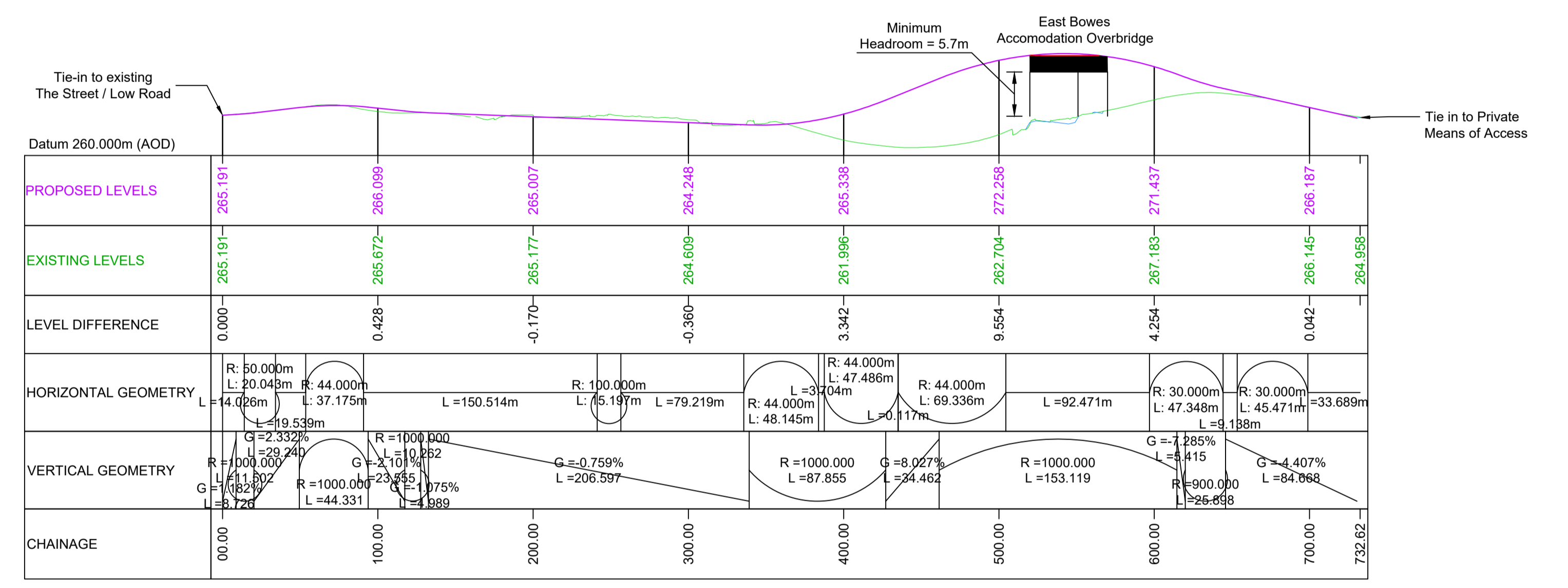
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**NOTES**

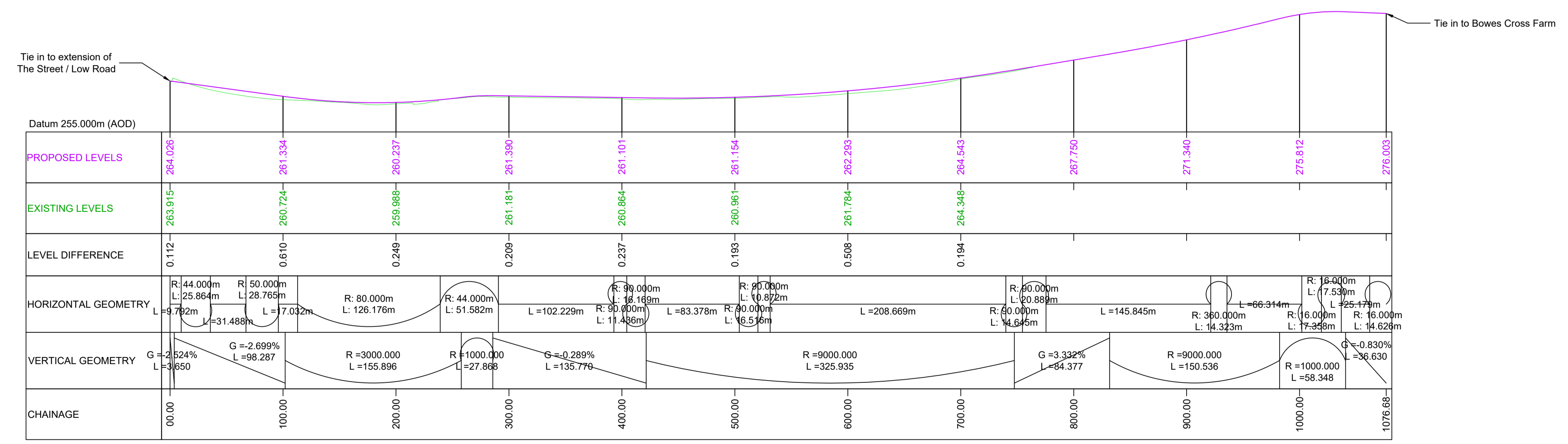
- ALL DIMENSIONS ARE IN METRES ABOVE DATUM UNLESS NOTED OTHERWISE.
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**KEY**

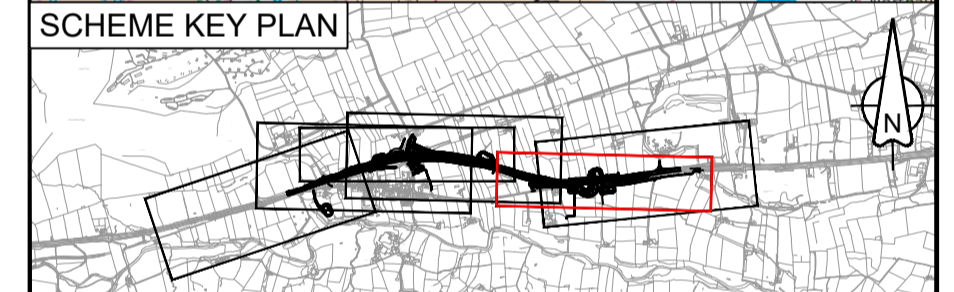
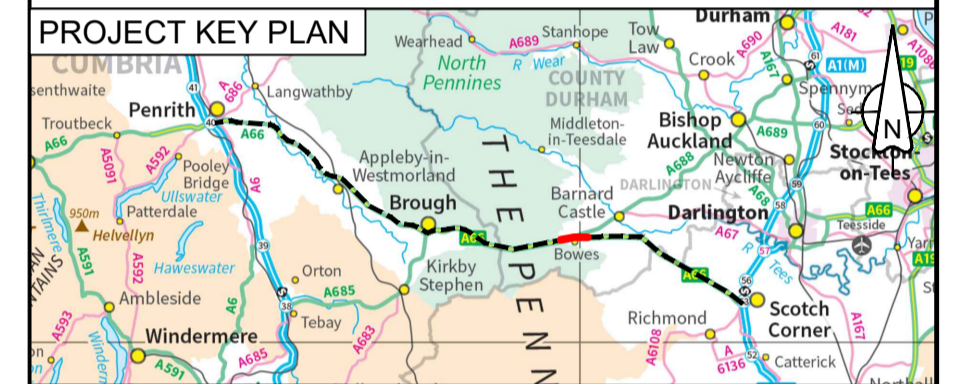
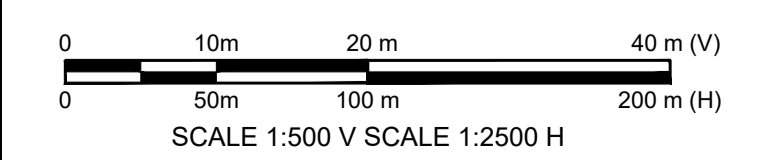
- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- LONGITUDINAL SECTION LINE
- PROPOSED LEVEL
- EXISTING LEVEL
- ORDER LIMITS
- PARISH BOUNDARY
- ROAD NAMES
- CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)
- GRADIENT
- LENGTH
- RADIUS



**WORK NO. 07-7  
LONGITUDINAL SECTION CH 000 to CH 733**



**WORK NO. 07-8  
LONGITUDINAL SECTION CH 0000 TO CH 1077**



C01	For DCO Submission				
	RKIG	RKIG	JBEN	THAL	SSCO
	08/06/22	08/06/22	08/06/22	08/06/22	08/06/22

Revision details				
Revision	Created	Checked	Reviewed	Approved
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Purpose	DCO APPLICATION
PINS Reference Number	TR010062/APP/5.17
Client	3 Piccadilly Place Manchester M1 3BN



Project Name / Scheme Name  
**A66 Northern Trans-Pennine Project  
Scheme 07  
Bowes Bypass**

Drawing Title  
**Engineering Section Drawings  
(Plan and Profiles)  
Regulation 5(2)(o) & 6(2)  
Sheet 9 of 9**

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

Drawing Number	Project	Originator	Volume
HE565627	- AMY	- HAC	-
S07	-DR-CH-	-501009	
Location	Type	Role	Number

Suitability	Suitability Description	Revision
A	Approved for Stage Complete	C01