

# **A46 Newark Bypass**

**TR010065/APP/2.6**

## **2.6 Engineering Plans and Sections Part 3 – Plan and Profiles**

APFP Regulation 5(2)(o), 5(2)(p) and 6(2)

Planning Act 2008

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

Volume 2

April 2024

Infrastructure Planning

Planning Act 2008

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

**A46 Newark Bypass**

Development Consent Order 202[x]

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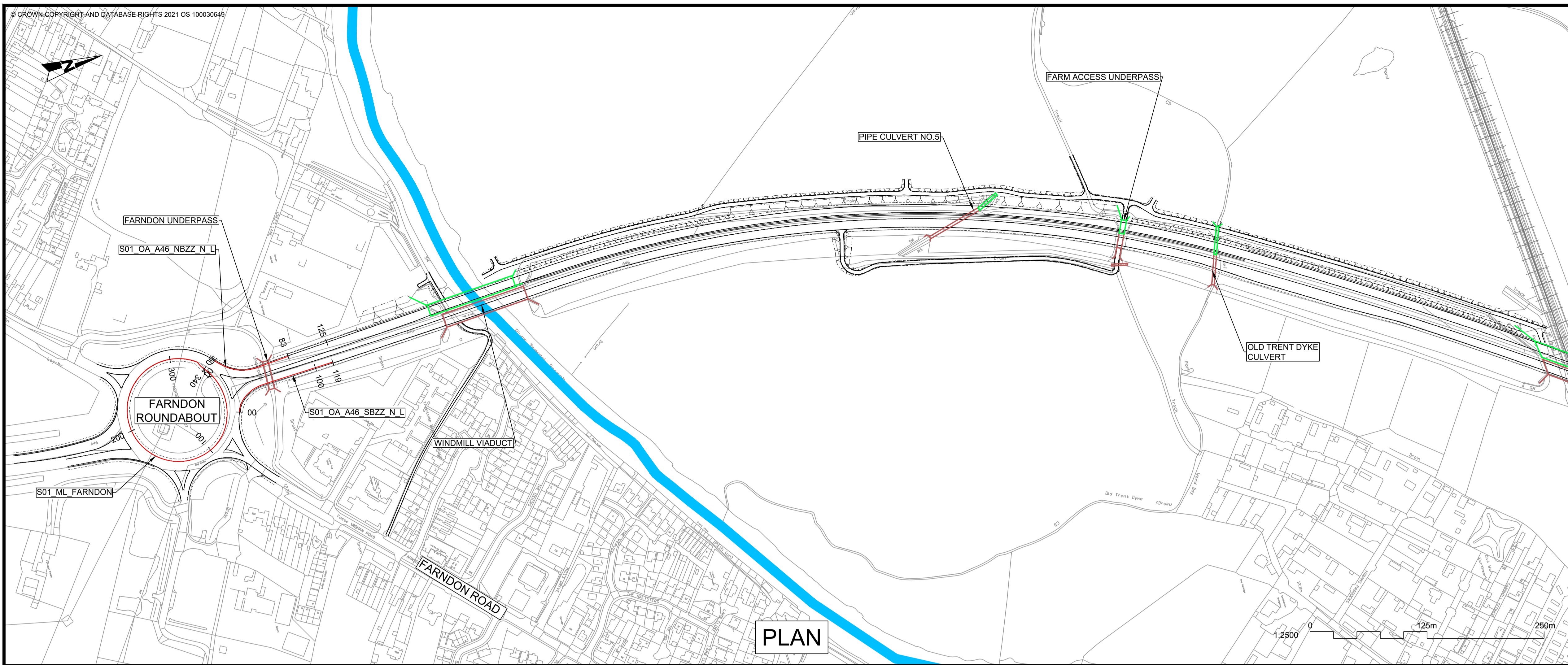
**Engineering Plans and Sections**

**Part 3 – Plan and Profiles**

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<b>Regulation Number:</b>	Regulation 5(2)(o), 5(2)(p) and 6(2)
<b>Planning Inspectorate Scheme Reference</b>	TR010065
<b>Application Document Reference</b>	TR010065/APP/2.6
<b>Author:</b>	A46 Newark Bypass Project Team, National Highways

<b>Version</b>	<b>Date</b>	<b>Status of Version</b>
Rev 1	April 2024	DCO Application



**NOTES**

- THE DESIGN SHOWN WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT IN ACCORDANCE WITH THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010065/APP/3.1).
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**PLAN VIEW KEY:**

- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- NEW DESIGN CHAINAGE
- XXXX
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

**PROFILE VIEW KEY:**

- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE

**S01\_ML\_FARNDON**  
SCALE: H 1:2500, V 1:500. DATUM: 10.000

**S01\_OA\_A46\_NBZZ\_N\_L**  
SCALE: H 1:2500, V 1:500. DATUM: 10.000

**S01\_OA\_A46\_SBZZ\_N\_L**  
SCALE: H 1:2500, V 1:500. DATUM: 10.000

FARNDON ROUNDABOUT WIDENING  
PROFILE AS PER EXISTING CIRCULATORY CARRIAGEWAY

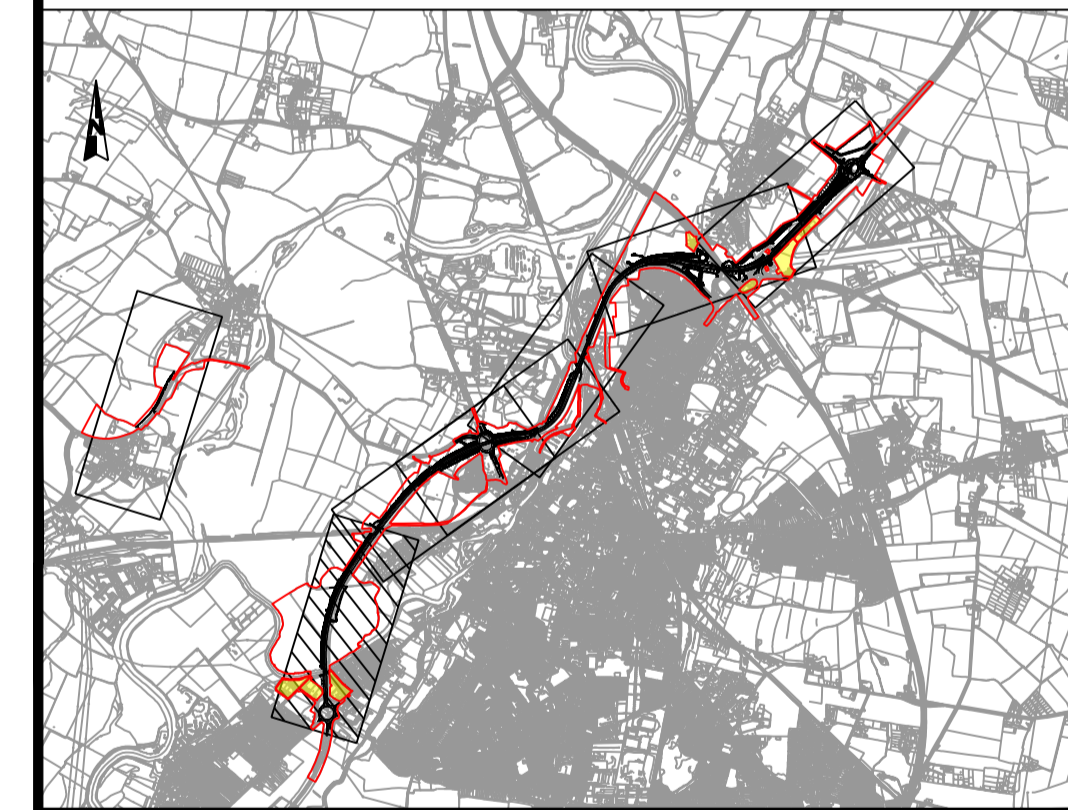
Chainage	Existing Levels	Proposed Levels	Level Difference	Horizontal Geometry	Vertical Geometry
00.000	14.290				
50.000	14.682	14.576	0.107	R=57.79 L=39.74	G=-0.68% L=18.69
100.000	14.657	14.549	0.108	R=49.57 L=33.96	R=1000 K=100.0 L=23.15
150.000	14.248	14.162	0.086	R=53.89 L=68.52	R=3000 K=300.0 L=27.89
200.000	13.797	13.701	0.095	R=54.55 L=66.11	G=+2.27% L=35.58
250.000	13.663	13.564	0.098		R=100 K=10.0 L=3.08
300.000	13.897	13.795	0.102	R=54.87 L=101.48	
340.078	14.290	14.163	0.127	R=33.16 L=10.29	

TIE IN TO A46 MAINLINE  
TIE IN TO FARNDON ROUNDABOUT

Chainage	Existing Levels	Proposed Levels	Level Difference	Horizontal Geometry	Vertical Geometry
00.000	14.397	14.379	-0.018		
50.000	15.541	15.405	-0.136	R=40.00 L=41.08	R=1000 K=100.0 L=23.15
100.000	13.913	16.527	2.613	L=83.45	G=+2.27% L=35.58
124.534	13.633	17.034	3.401		R=100 K=10.0 L=3.08

TIE IN TO A46 MAINLINE  
TIE IN TO FARNDON ROUNDABOUT

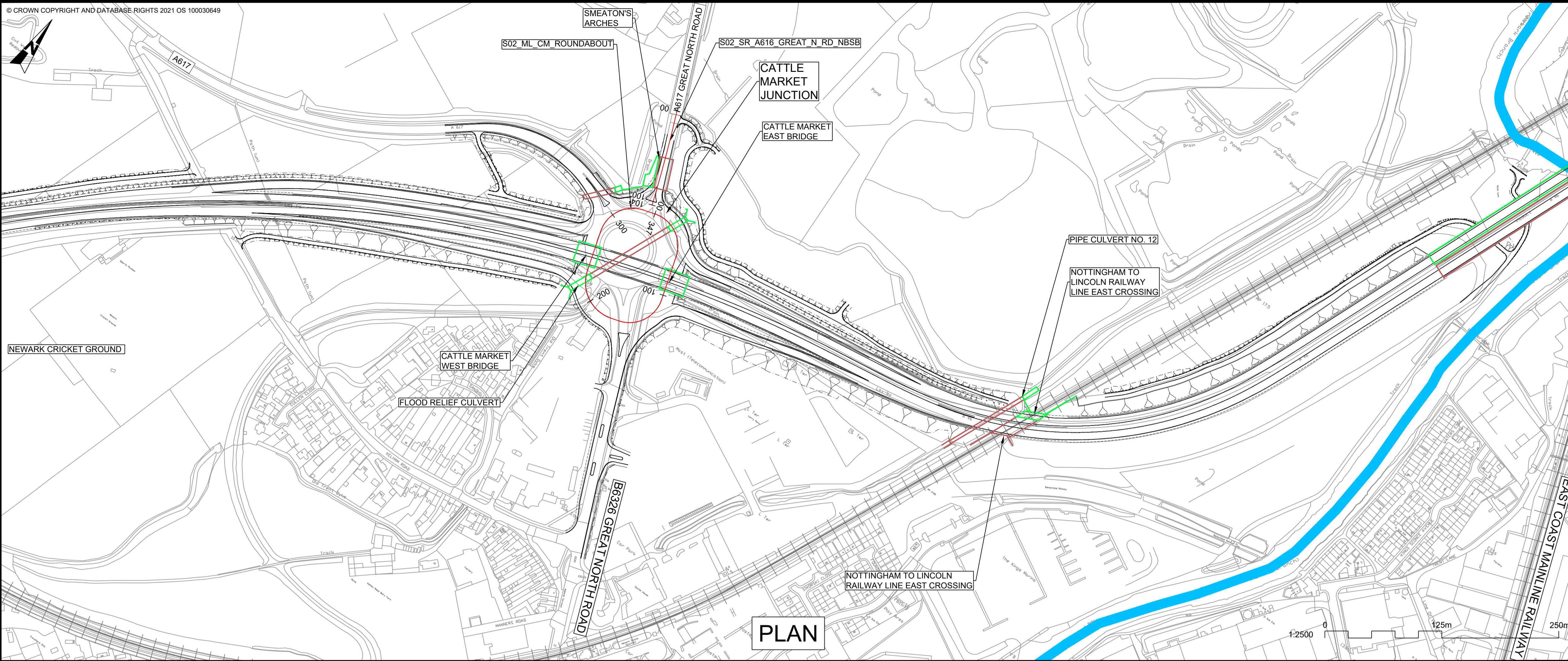
Chainage	Existing Levels	Proposed Levels	Level Difference	Horizontal Geometry	Vertical Geometry
00.000	14.745	14.623	-0.122		
50.000	15.456	15.509	0.053	R=38.23 L=17.65	R=3000 K=300.0 L=27.89
100.000	16.429	16.507	0.078	L=87.67	G=+2.27% L=35.58
118.398	16.917	16.895	-0.023		R=100 K=10.0 L=3.08



REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
C02	11/03/24	Revised for DCO Submission	JK	SC	HF
CLIENT <b>national highways</b>					
PURPOSE OF ISSUE DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER TR010065					
PROJECT TITLE A46 NEWARK BYPASS					
DRAWING TITLE ENGINEERING PLANS AND SECTIONS REGULATION 5(2)(o), 5(2)(P) and 6(2) PLAN AND PROFILES - SHEET 11 OF 37 FARNDON ROUNDABOUT					
ORIGINAL SIZE	A1	SCALE	1:2500		
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478	SKAG	HGN		HE551478	
CONWI_CONW	DR	CH	26220	REVISION	
				C02	

**PROFILE**

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- NOTES**
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**PLAN VIEW KEY:**

- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- NEW DESIGN CHAINAGE
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

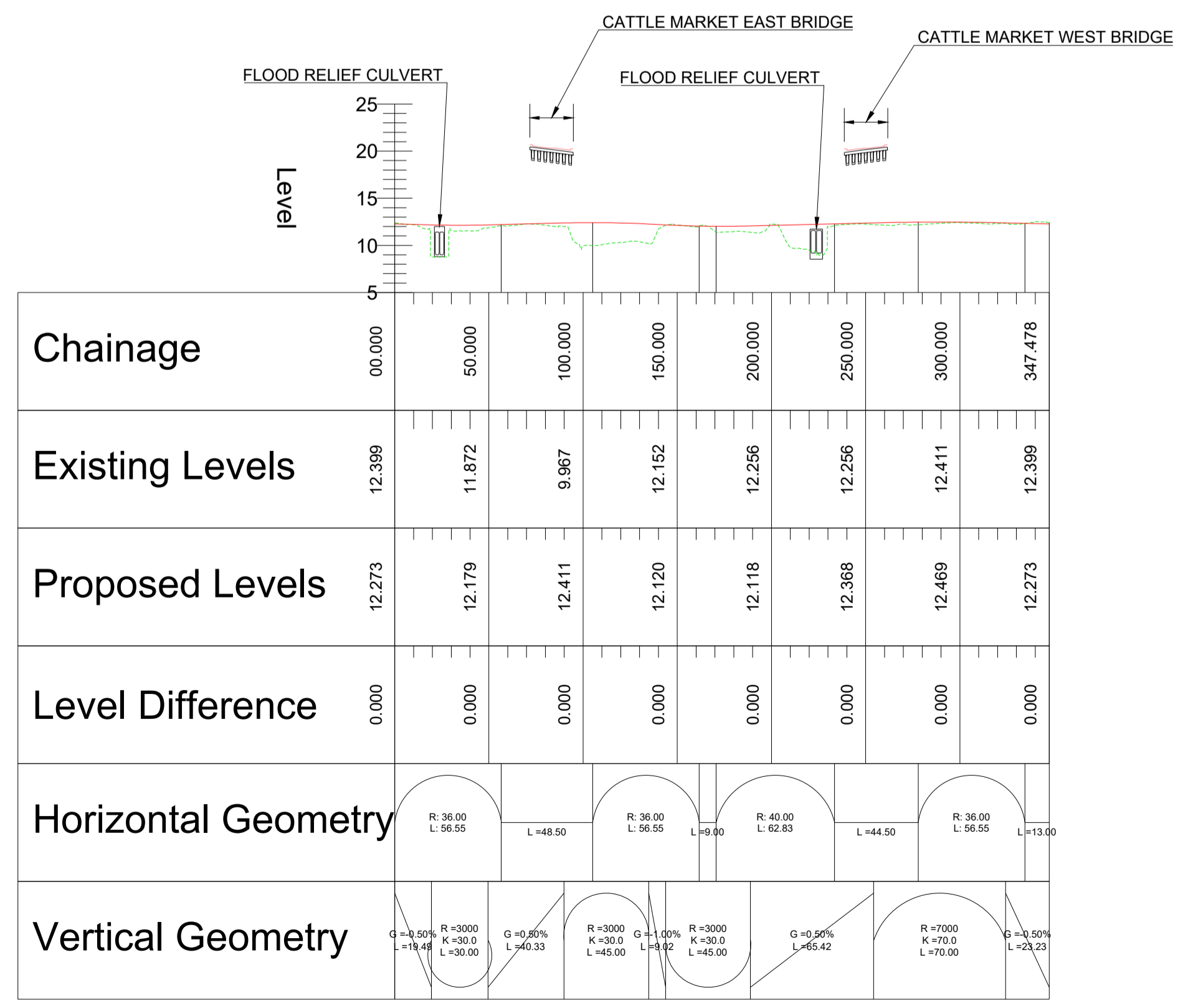
**PROFILE VIEW KEY:**

- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE

**PLAN**

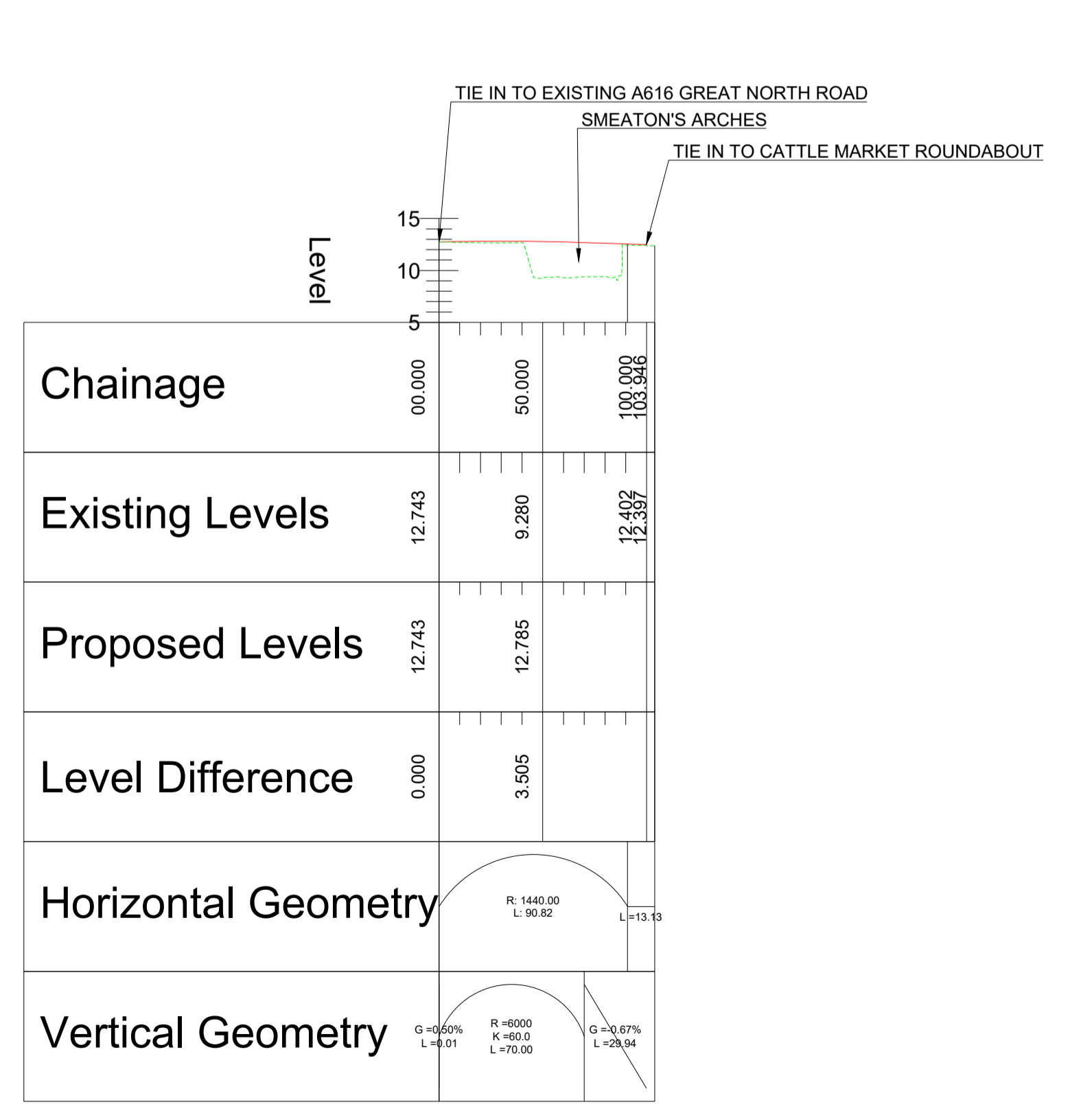
**S02\_ML\_CM\_ROUNDABOUT**

SCALE: H 1:2500, V 1:500. DATUM: 5.000

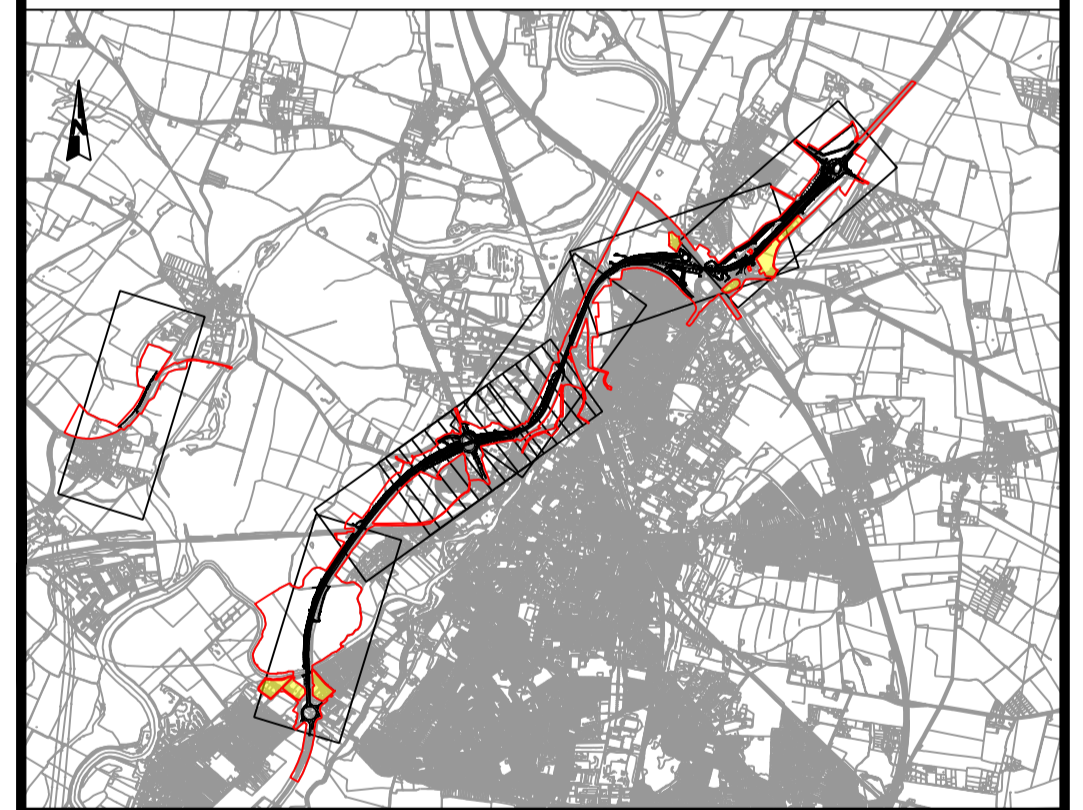


**S02\_SR\_A616\_GREAT\_N\_RD\_NBSB**

SCALE: H 1:2500, V 1:500. DATUM: 5.000

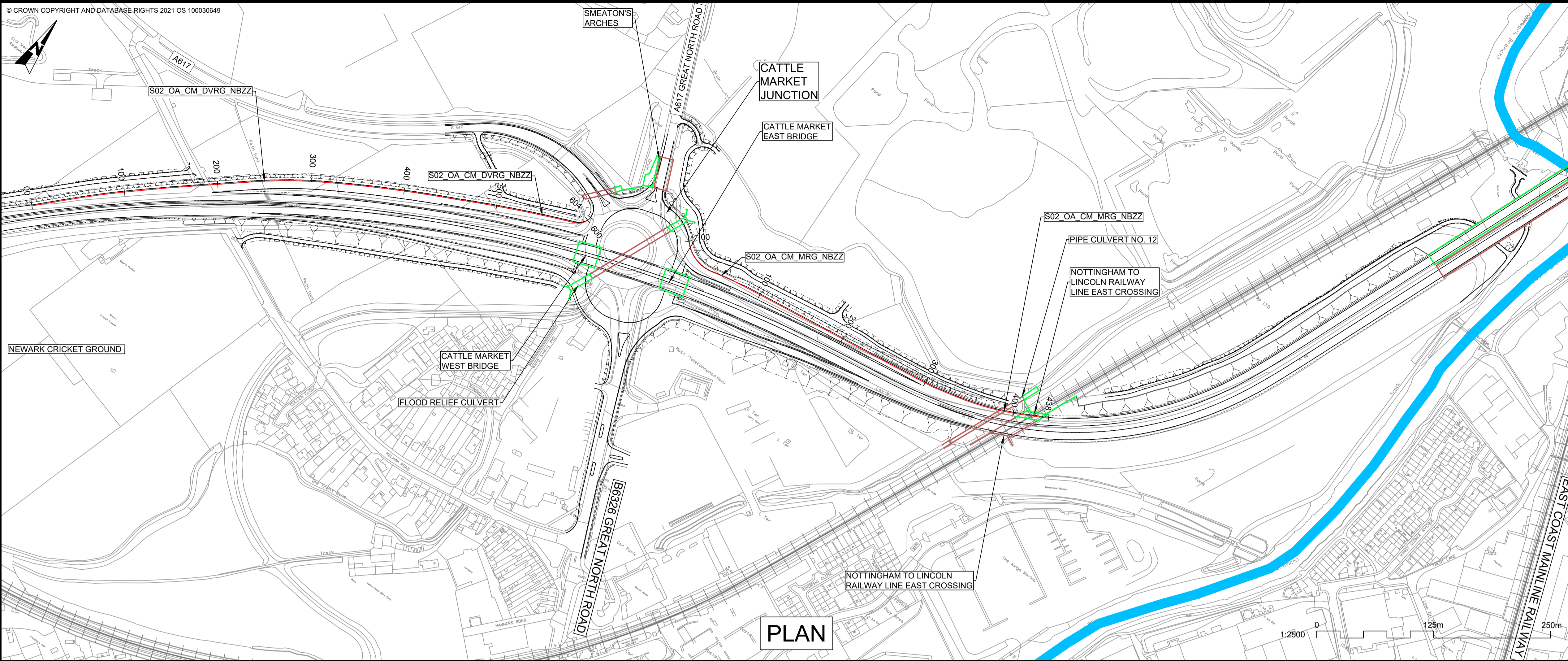


**PROFILE**



REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
C02	11/03/24	Revised for DCO Submission	JK	SC	HF
CLIENT					
national highways					
PURPOSE OF ISSUE					
DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER					
TR010065					
PROJECT TITLE					
A46 NEWARK BYPASS					
DRAWING TITLE					
ENGINEERING PLANS AND SECTIONS REGULATION 5(2)(o), 5(2)(P) and 6(2) PLAN AND PROFILES - SHEET 12 OF 37 CATTLE MARKET JUNCTION					
ORIGINAL SIZE	A1	SCALE	1:2500		
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478	SKAG	HGN		HE551478	
LOCATION	DR	CH	26230	REVISION	
	TYPE	ROLE	NUMBER	C02	

100  
90  
80  
70  
60  
50  
40  
30  
20  
10  
0



PLAN

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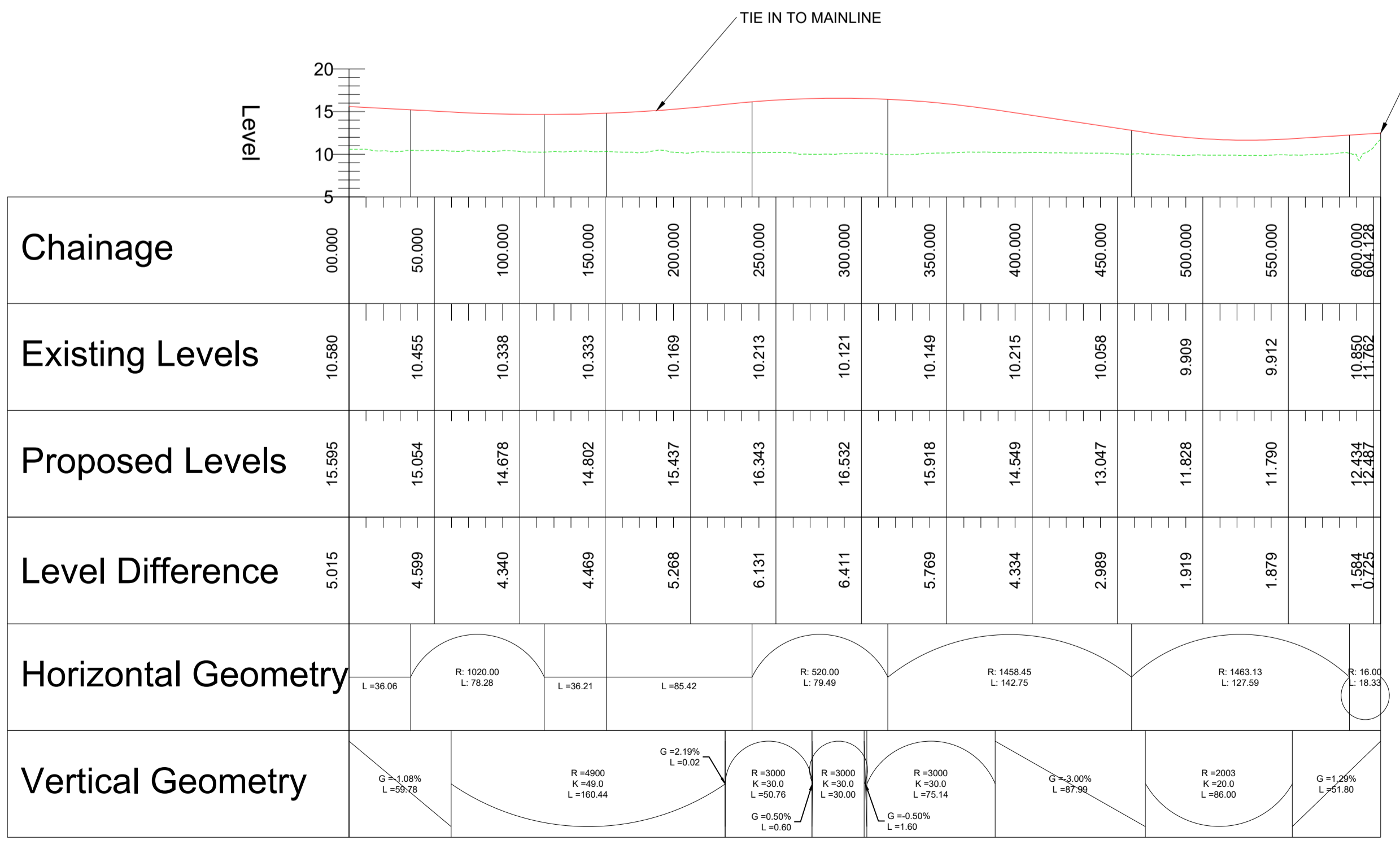
**PLAN VIEW KEY:**

- EXISTING STRUCTURE (Red outline)
- NEW STRUCTURE (Green outline)
- NEW DESIGN (Black outline)
- NEW ALIGNMENT (Red line)
- NEW DESIGN CHAINAGE (XXXX)
- NEW EMBANKMENT (Green triangles)
- NEW CUTTING (Red triangles)
- RIVER (Blue area)
- RAILWAY LINE (Black lines)

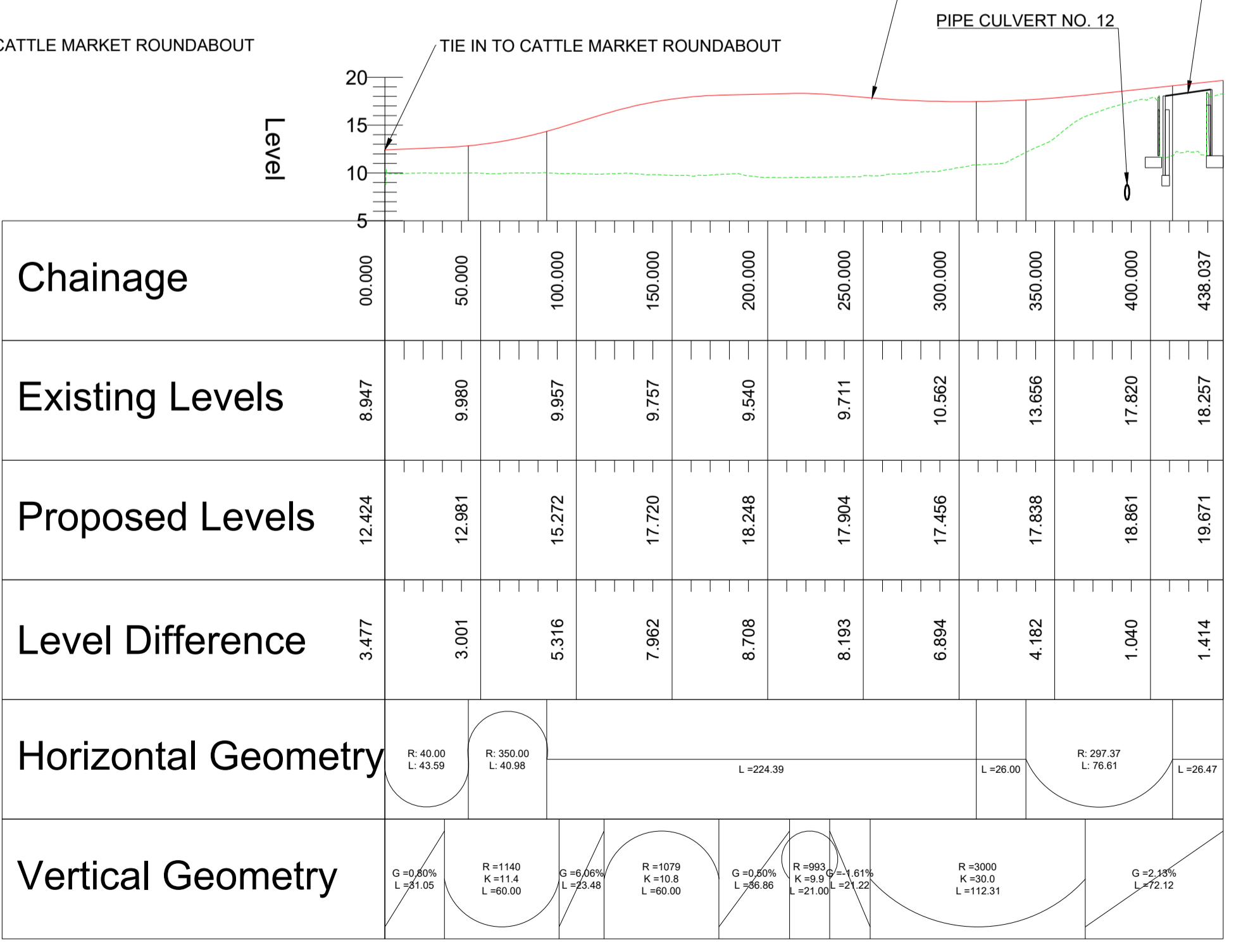
**PROFILE VIEW KEY:**

- EXISTING GROUND (Dashed green line)
- NEW ROAD LEVEL (Red line)
- NEW STRUCTURE (Black outline)

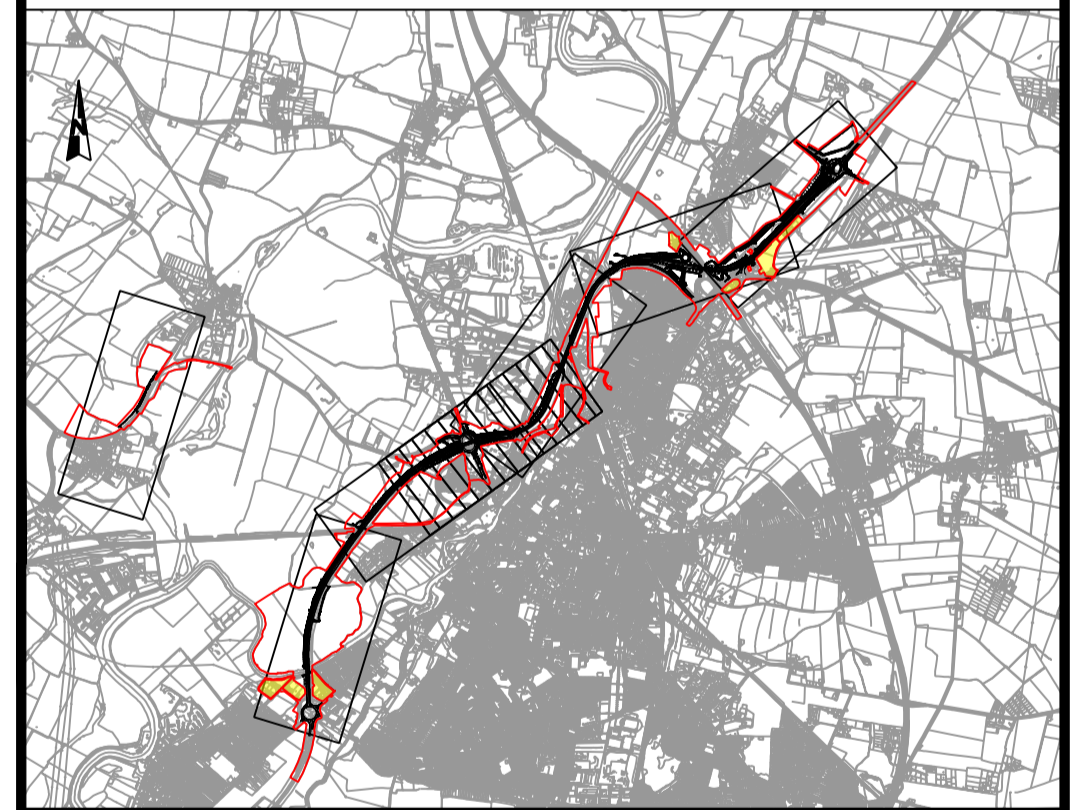
**S02\_OA\_CM\_DVRG\_NBZZ**  
SCALE: H 1:2500, V 1:500. DATUM: 5.000



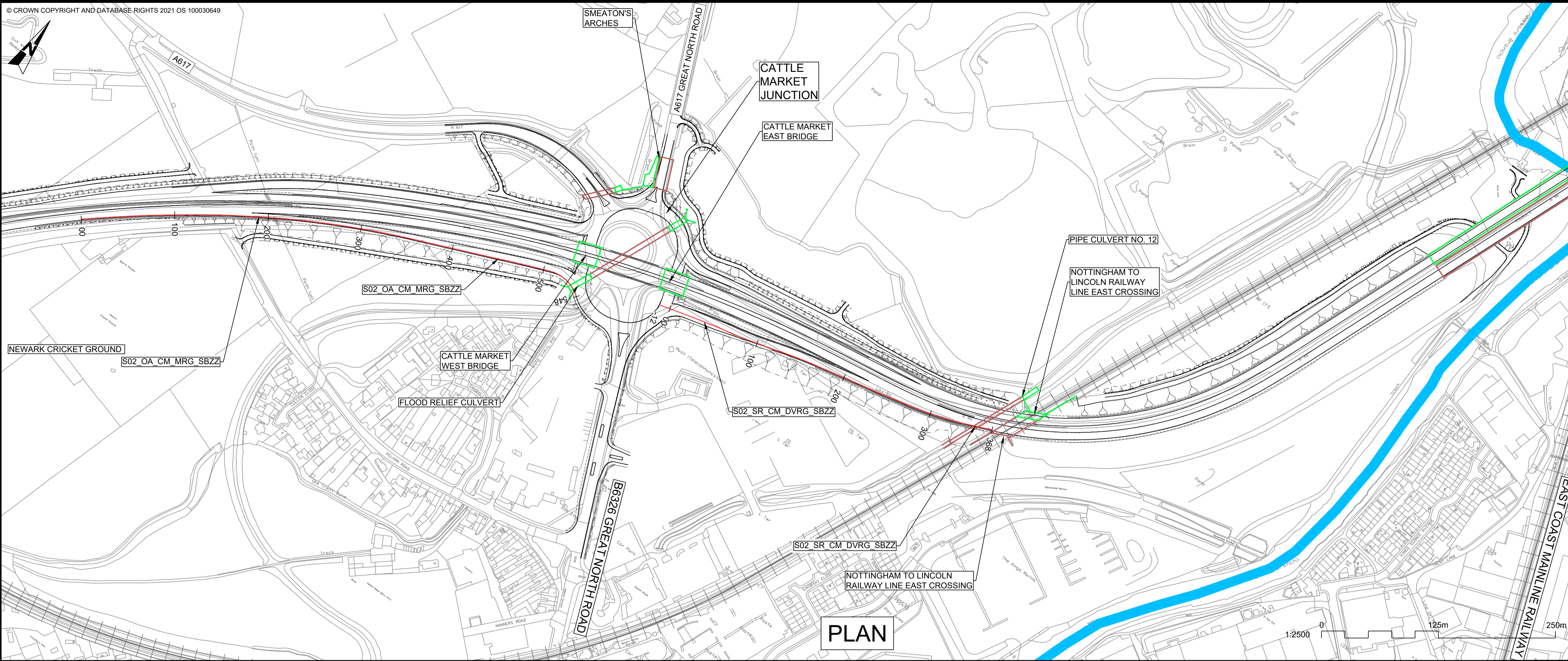
**S02\_OA\_CM\_MRG\_NBZZ**  
SCALE: H 1:2500, V 1:500. DATUM: 5.000



PROFILE



CO2	11/03/24	Revised for DCO Submission	JK	SC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
CLIENT <b>national highways</b>					
PURPOSE OF ISSUE DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER TR010065					
PROJECT TITLE A46 NEWARK BYPASS					
DRAWING TITLE ENGINEERING PLANS AND SECTIONS REGULATION 5(2)(o), 5(2)(P) and 6(2) PLAN AND PROFILES - SHEET 13 OF 37 CATTLE MARKET JUNCTION					
ORIGINAL SIZE	A1	SCALE	1:2500		
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478	SKAG	HGN		HE551478	
CONWI_CONW	DR	CH	26231	REVISION	
LOCATION	TYPE	ROLE	NUMBER	C02	



PLAN

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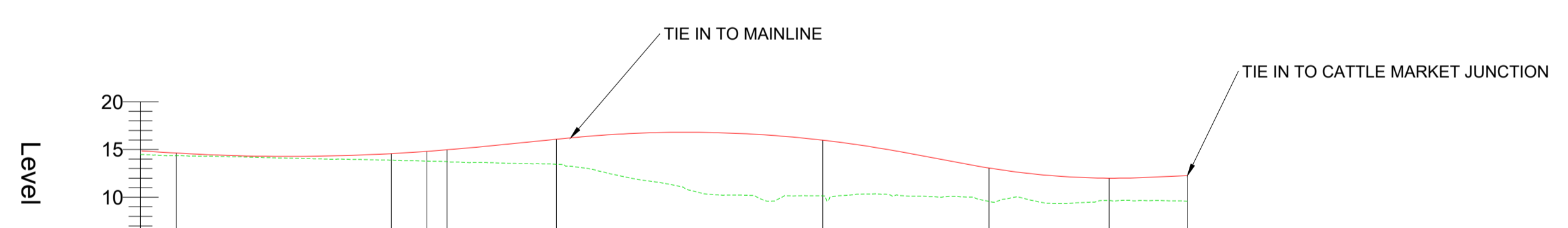
**PLAN VIEW KEY:**

- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- NEW DESIGN CHAINAGE
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

**PROFILE VIEW KEY:**

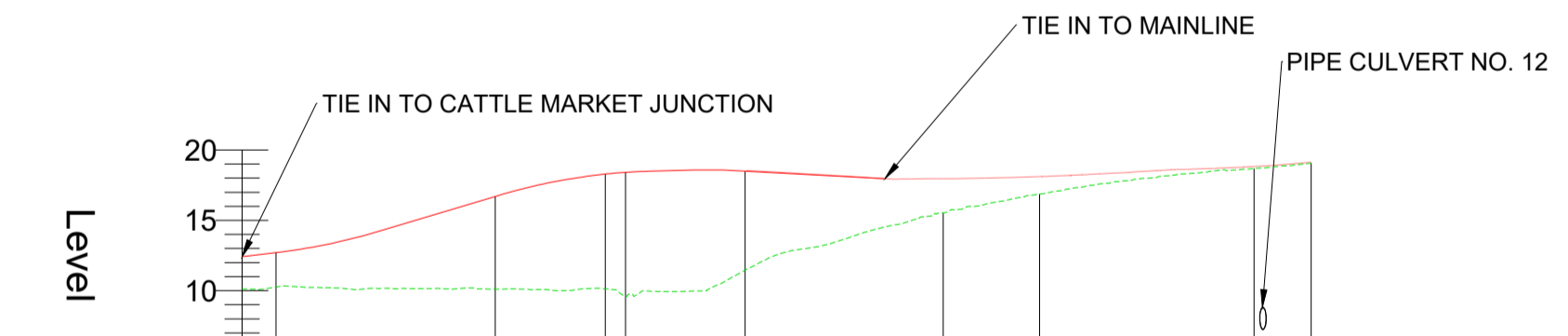
- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE

**S02\_OA\_CM\_MRG\_SBZZ**  
SCALE: H 1:2500,V 1:500, DATUM: 5.000



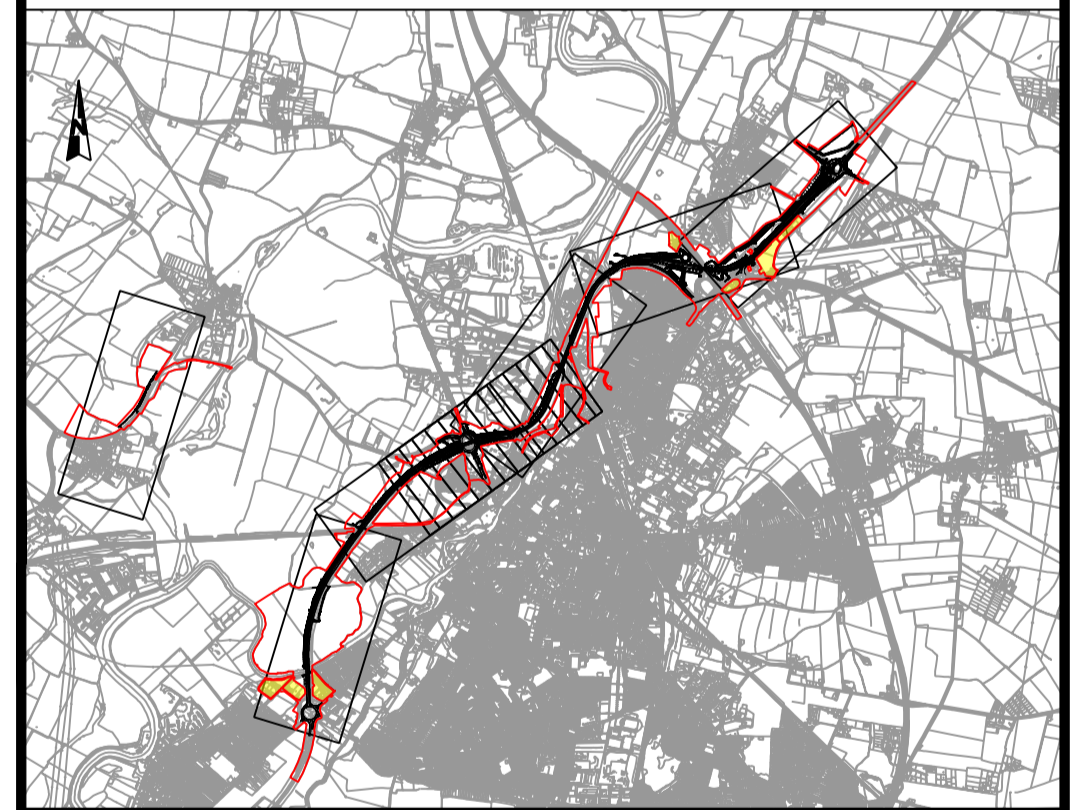
Chainage	00.000	50.000	100.000	150.000	200.000	250.000	300.000	350.000	400.000	450.000	500.000	547.768
Existing Levels	14.481	14.243	13.983	13.792	13.521	12.278	10.270	10.156	10.138	9.729	9.552	9.588
Proposed Levels		14.358	14.332	14.808	15.726	16.606	16.764	16.132	14.669	12.875	12.023	12.265
Level Difference		0.115	0.350	1.016	2.205	4.329	6.494	5.976	4.531	3.146	2.471	2.677
Horizontal Geometry	<p>R=1406.00 L=112.54 L=18.69 L=18.61 L=10.49 G=+0.50% L=+0.41 R=1406.35 L=57.23 R=1020.00 L=139.34 L=87.05 R=1387.55 L=62.79 R=40.00 L=41.03</p>											
Vertical Geometry	<p>G=-1.25% L=14.39 R=4982 K=49.8 L=180.00 G=+1.86% L=+6.97 R=3000 K=30.0 L=+43.93 R=3000 K=30.0 L=30.00 R=3000 K=30.0 L=96.00 G=-3.70% L=-36.90 R=3000 K=30.0 L=91.45 G=+0.67% L=+6.67</p>											

**S02\_SR\_CM\_DVRG\_SBZZ**  
SCALE: H 1:2500,V 1:500, DATUM: 5.000

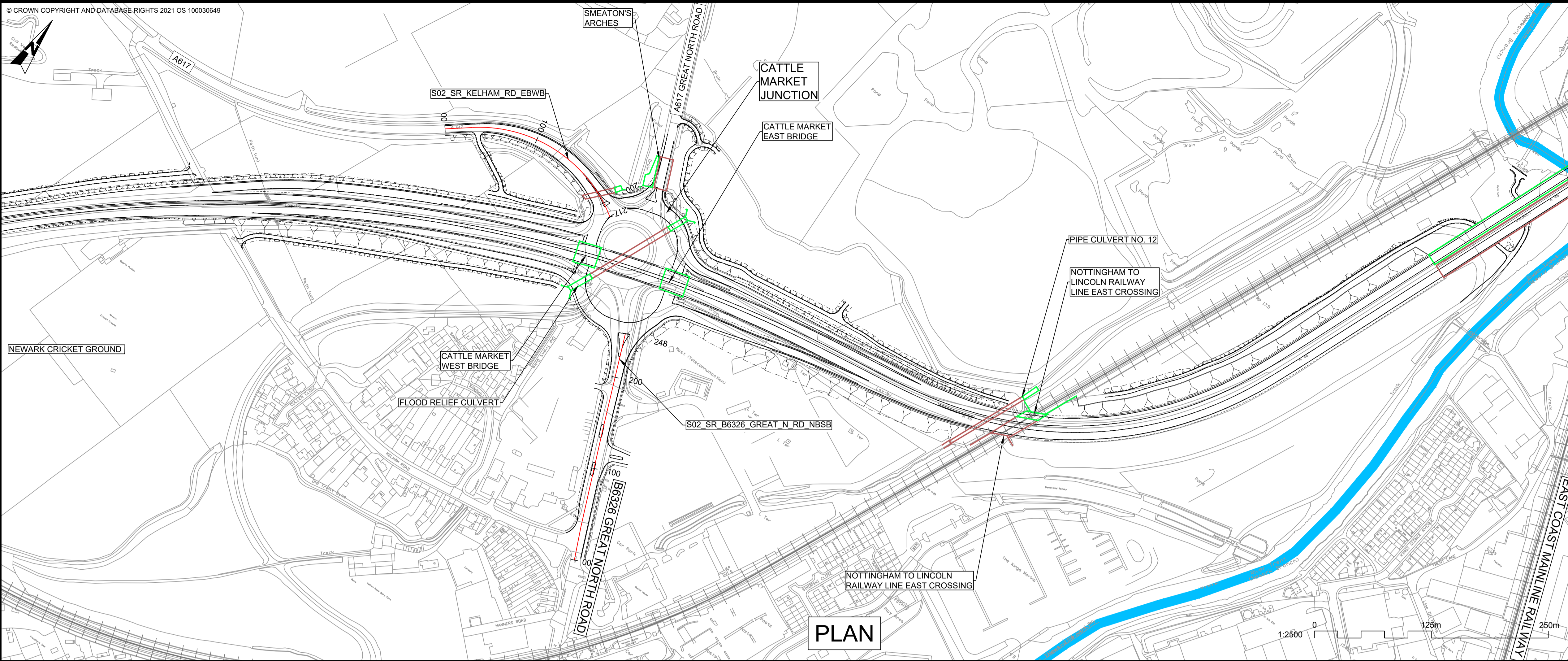


Chainage	-12.095	00.000	50.000	100.000	150.000	200.000	250.000	300.000	350.000	368.308
Existing Levels	10.110	10.265	10.148	10.014	9.985	13.521	16.027	17.767	18.714	19.069
Proposed Levels	12.409	12.711	15.023	17.780	18.573	18.146				
Level Difference	2.299	2.446	4.875	7.766	8.588	4.625				
Horizontal Geometry	<p>R=1387.55 L=78.02 R=520.00 L=39.16 L=7.18 R=520.00 L=42.58 L=70.46 L=34.30 R=400.00 L=76.32 L=20.26</p>									
Vertical Geometry	<p>G=-2.50% L=-24.82 R=1000 K=10.0 L=-35.00 G=+0.80% L=+7.92 R=1000 K=10.0 L=55.00 G=+0.50% L=+5.00 R=1000 K=10.0 L=55.00 G=+0.07% L=+0.67</p>									

PROFILE



C02	11/03/24	Revised for DCO Submission	JK	SC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
CLIENT <b>national highways</b>					
PURPOSE OF ISSUE DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER TR010065					
PROJECT TITLE A46 NEWARK BYPASS					
DRAWING TITLE ENGINEERING PLANS AND SECTIONS REGULATION 5(2)(o), 5(2)(P) and 6(2) PLAN AND PROFILES - SHEET 14 OF 37 CATTLE MARKET JUNCTION					
ORIGINAL SIZE	A1	SCALE	1:2500		
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	PROJECT REF. NO.	
HE551478	SKAG	HGN		HE551478	
CONWI_CONW	DR	CH	26232	REVISION	
LOCATION	TYPE	ROLE	NUMBER	C02	



PLAN

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**PLAN VIEW KEY:**

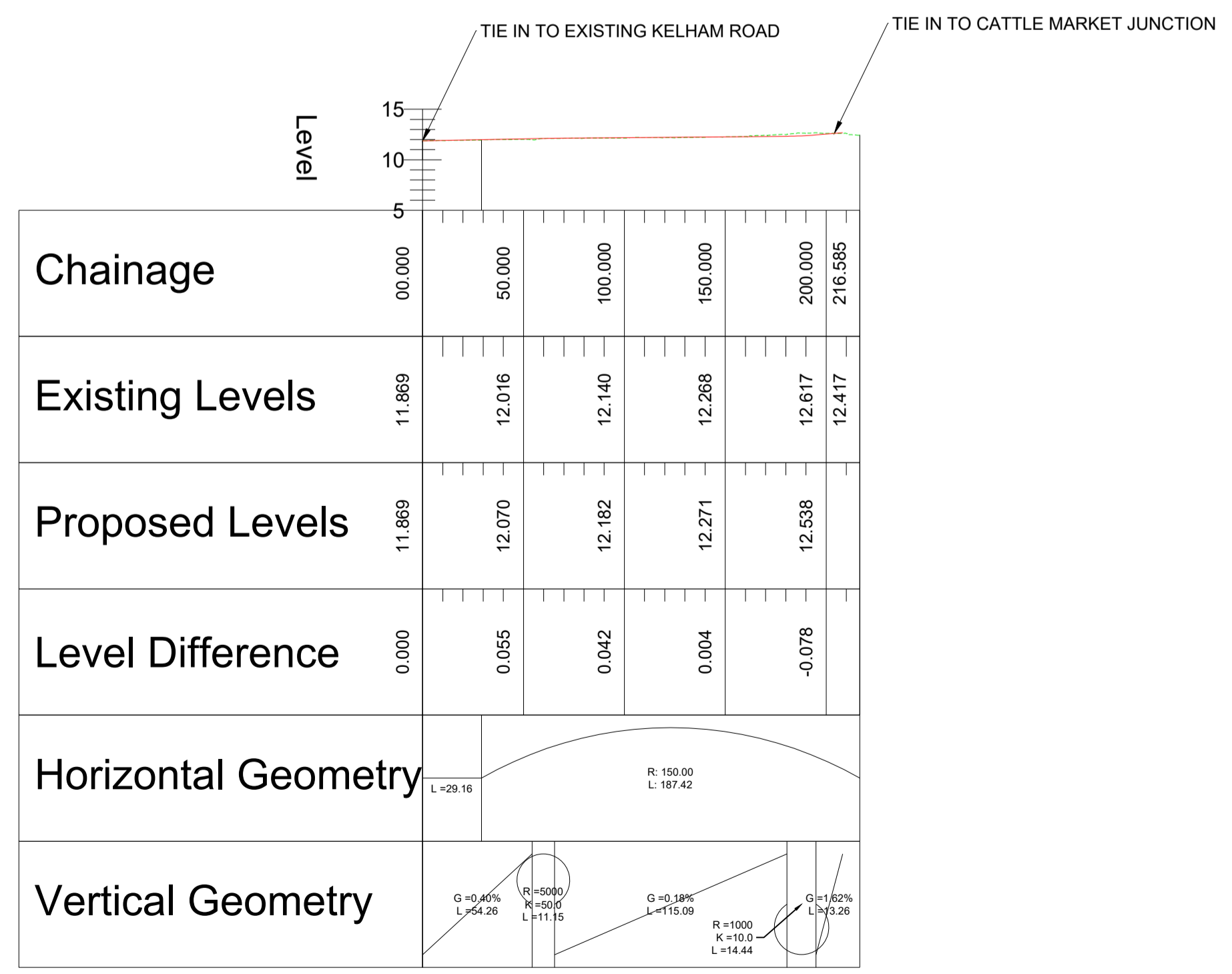
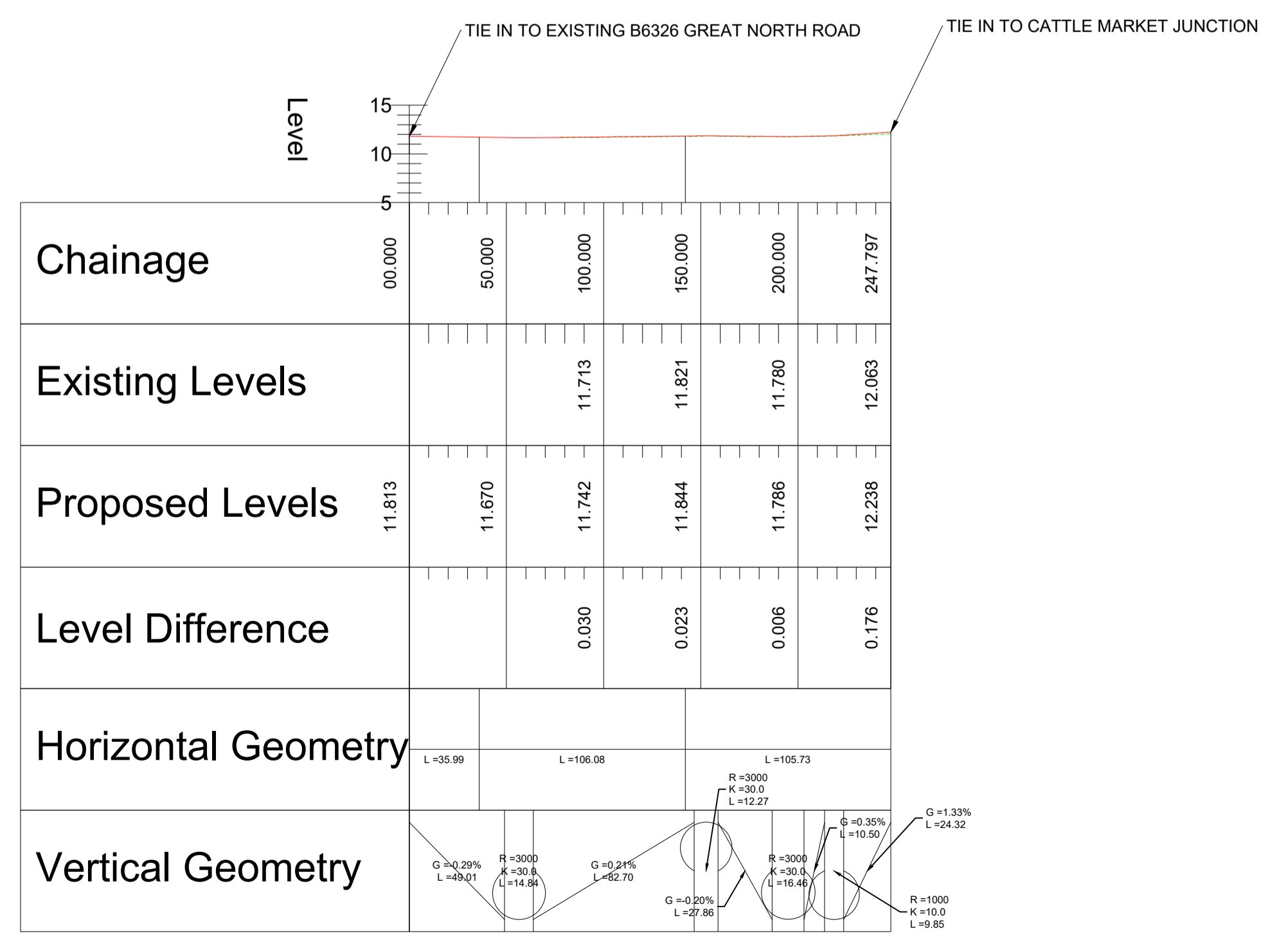
- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- NEW DESIGN CHAINAGE
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

**PROFILE VIEW KEY:**

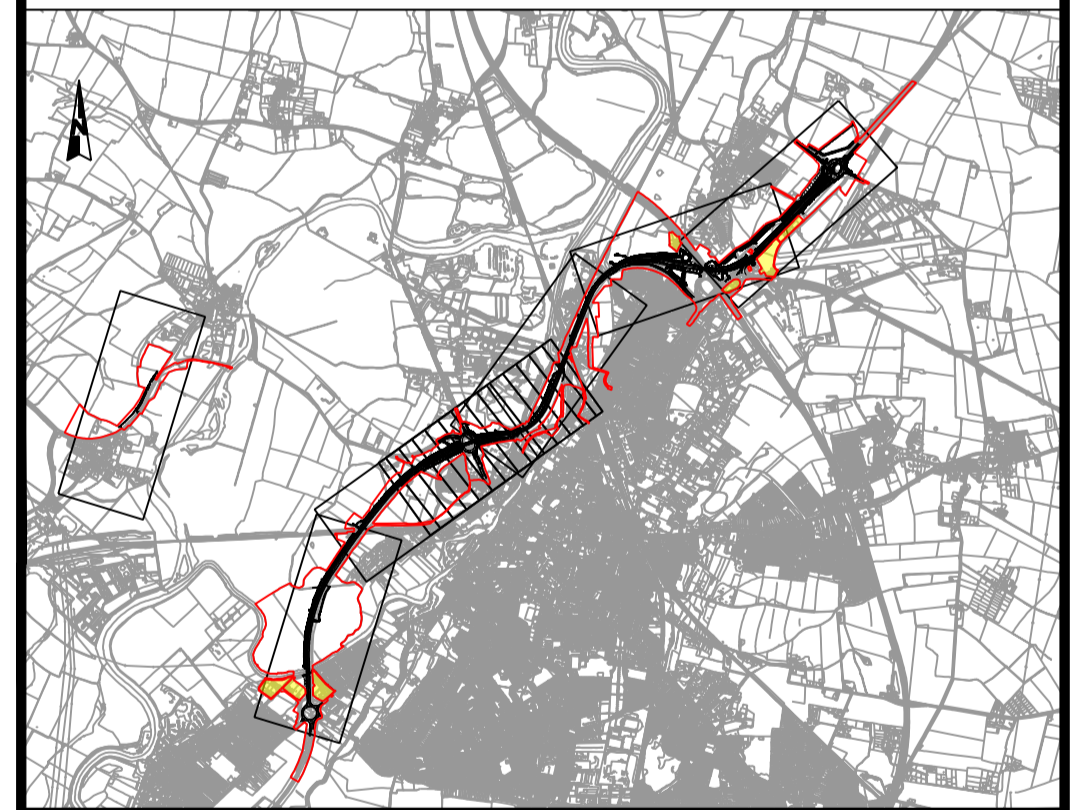
- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE

S02\_SR\_B6326\_GREAT\_N\_RD\_NBSB  
SCALE: H 1:2500, V 1:500. DATUM: 5.000

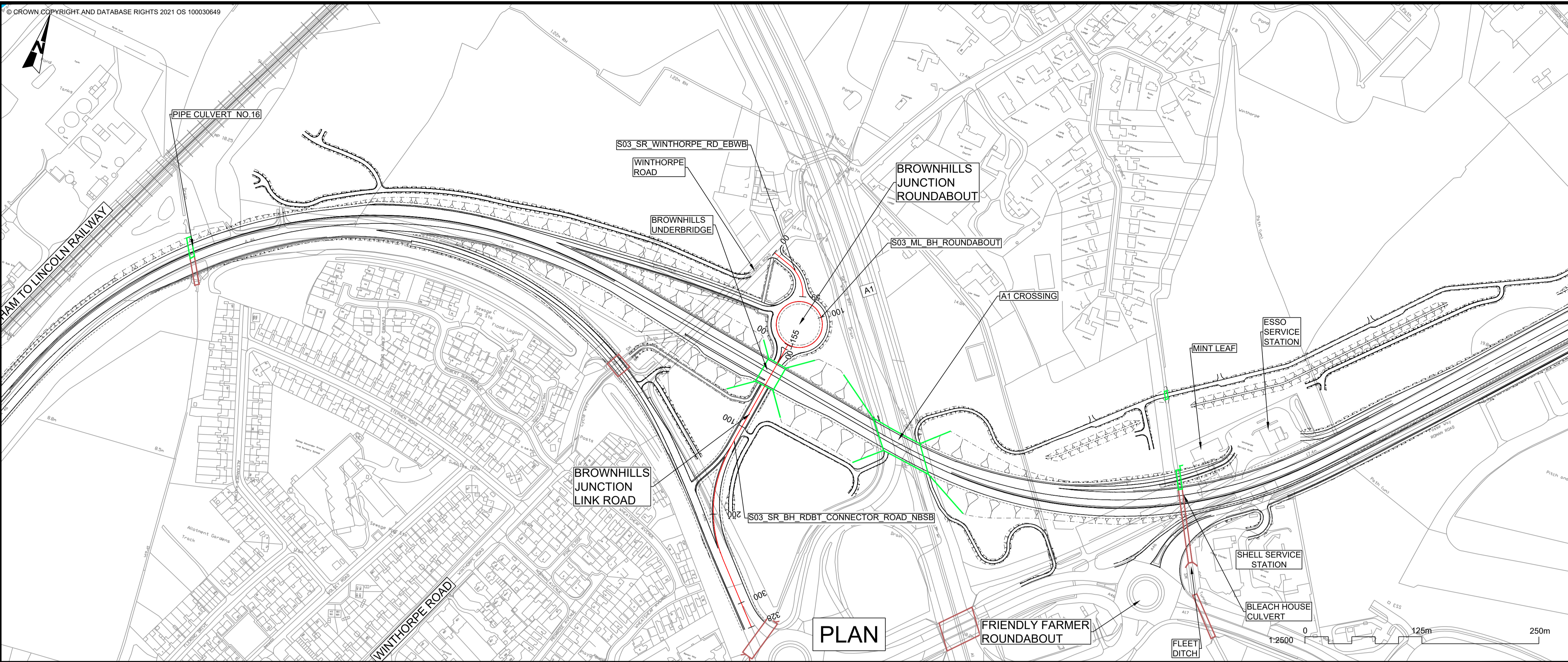
S02\_SR\_KELHAM\_RD\_EBWB  
SCALE: H 1:2500, V 1:500. DATUM: 5.000



PROFILE



REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
C02	11/03/24	Revised for DCO Submission	JK	SC	HF
CLIENT					
national highways					
PURPOSE OF ISSUE					
DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER					
TR010065					
PROJECT TITLE					
A46 NEWARK BYPASS					
DRAWING TITLE					
ENGINEERING PLANS AND SECTIONS REGULATION 5(2)(o), 5(2)(P) and 6(2) PLAN AND PROFILES - SHEET 15 OF 37 CATTLE MARKET JUNCTION					
ORIGINAL SIZE			SCALE		
A1			1:2500		
DRAWING NUMBER		ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478		SKAG	HGN	HE551478	
LOCATION		TYPE	ROLE	NUMBER	REVISION
CONWI_CONW		DR	CH	26233	C02



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**PLAN VIEW KEY:**

- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- NEW DESIGN CHAINAGE
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

**PROFILE VIEW KEY:**

- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE

**S03\_ML\_BH\_ROUNDABOUT**

SCALE: H 1:2500,V 1:500. DATUM: 5.000

Chainage	00.000	50.000	100.000	150.000	154.566
Existing Levels	10.749	10.727	10.049	10.684	10.749
Proposed Levels	11.194	11.406	10.997	11.148	11.194
Level Difference	0.444	0.680	0.948	0.464	0.444
Horizontal Geometry	R=24.60 L=77.28		R=24.60 L=77.28		
Vertical Geometry	G=-1.00% L=48.50	R=3000 K=30.0 L=59.99	G=1.00% L=17.28	R=3000 K=30.0 L=60.00	G=1.00% L=14.79

**S03\_SR\_BH\_RDBT\_CONNECTOR\_ROAD\_NBSB**

SCALE: H 1:2500,V 1:500. DATUM: 5.000

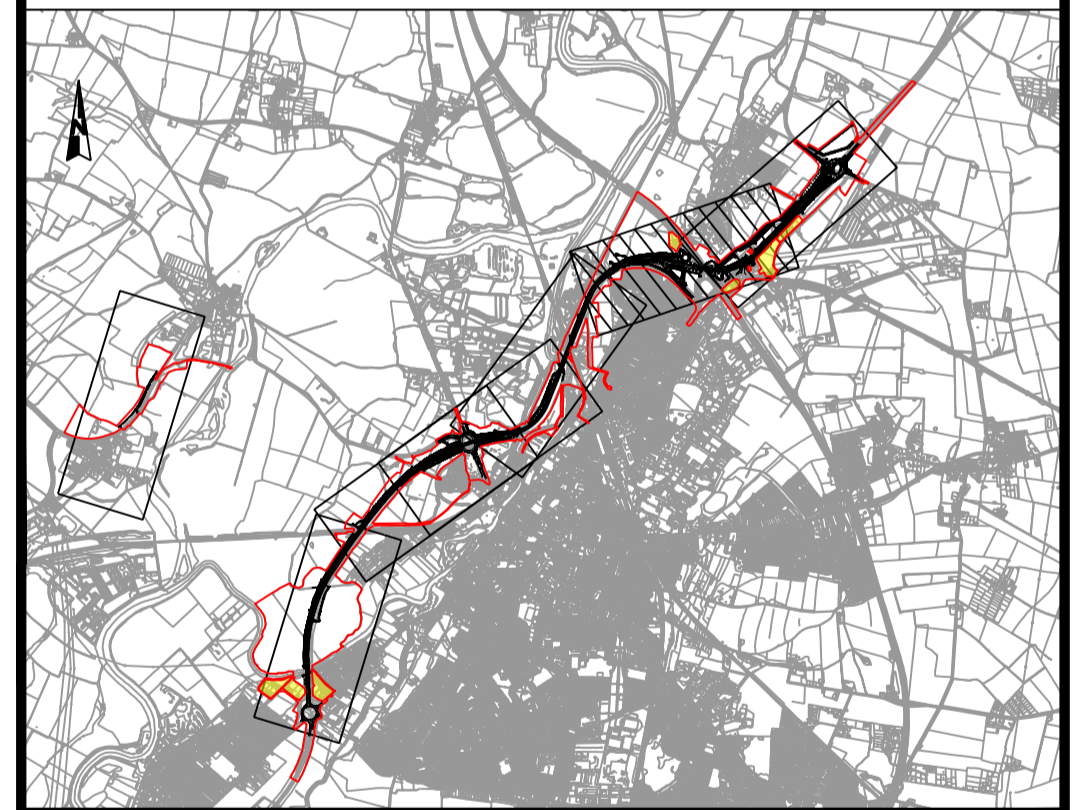
Chainage	00.000	50.000	100.000	150.000	200.000	250.000	300.000	328.053
Existing Levels	10.808	10.691	10.803	10.915	12.283	12.578	12.800	12.702
Proposed Levels		11.072	11.462	11.852	12.240	12.585	12.797	12.702
Level Difference		0.381	0.659	0.937	-0.043	0.006	-0.003	0.000
Horizontal Geometry	L=100.50		L: 60.00		R: 130.00 L: 88.12	L=79.43		
Vertical Geometry	R=1000 K=10.0 L=32.80		G=0.78% L=150.98		G=0.76% L=40.26	R=550 K=55.0 L=47.55	G=0.47% L=16.19	R=1000 K=10.0 L=14.32

**S03\_SR\_WINTHORPE\_RD\_EBWB**

SCALE: H 1:2500,V 1:500. DATUM: 5.000

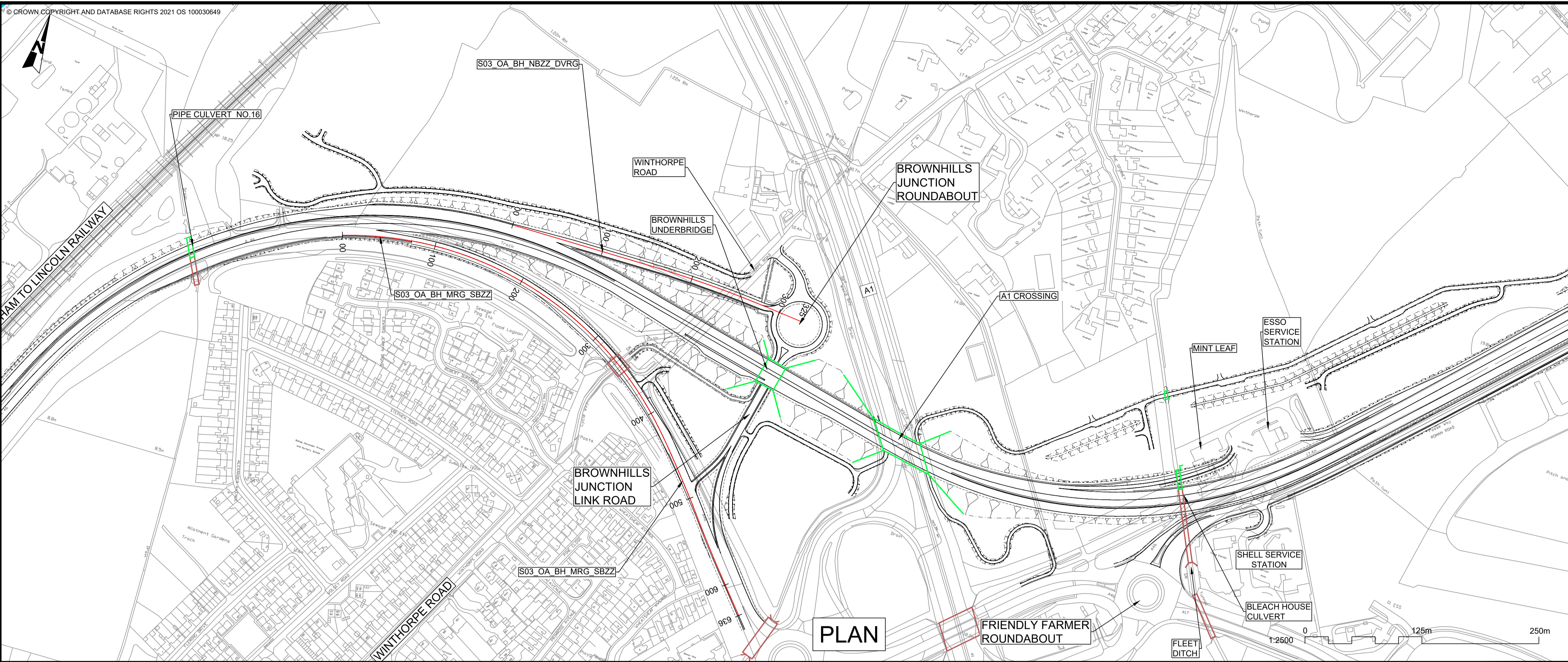
Chainage	00.000	50.000	58.899
Existing Levels	10.500	10.142	10.214
Proposed Levels	10.500	11.072	11.266
Level Difference	0.000	0.930	1.072
Horizontal Geometry	R=40.00 L=38.52		
Vertical Geometry	G=1.80% L=57.99		R=1000 K=10.0 L=14.32

**PROFILE**



C02	11/03/24	Revised for DCO Submission	JK	SC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
CLIENT <b>national highways</b>					
PURPOSE OF ISSUE DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER TR010065					
PROJECT TITLE A46 NEWARK BYPASS					
DRAWING TITLE ENGINEERING PLANS AND SECTIONS REGULATION 5(2)(o), 5(2)(P) and 6(2) PLAN AND PROFILES - SHEET 16 OF 37 BROWNHILLS JUNCTION					
ORIGINAL SIZE	A1	SCALE	1:2500		
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478	SKAG	HGN		HE551478	
CONWI_CONW	DR	CH	26240	REVISION	
LOCATION	TYPE	ROLE	NUMBER	C02	





PLAN

- NOTES**
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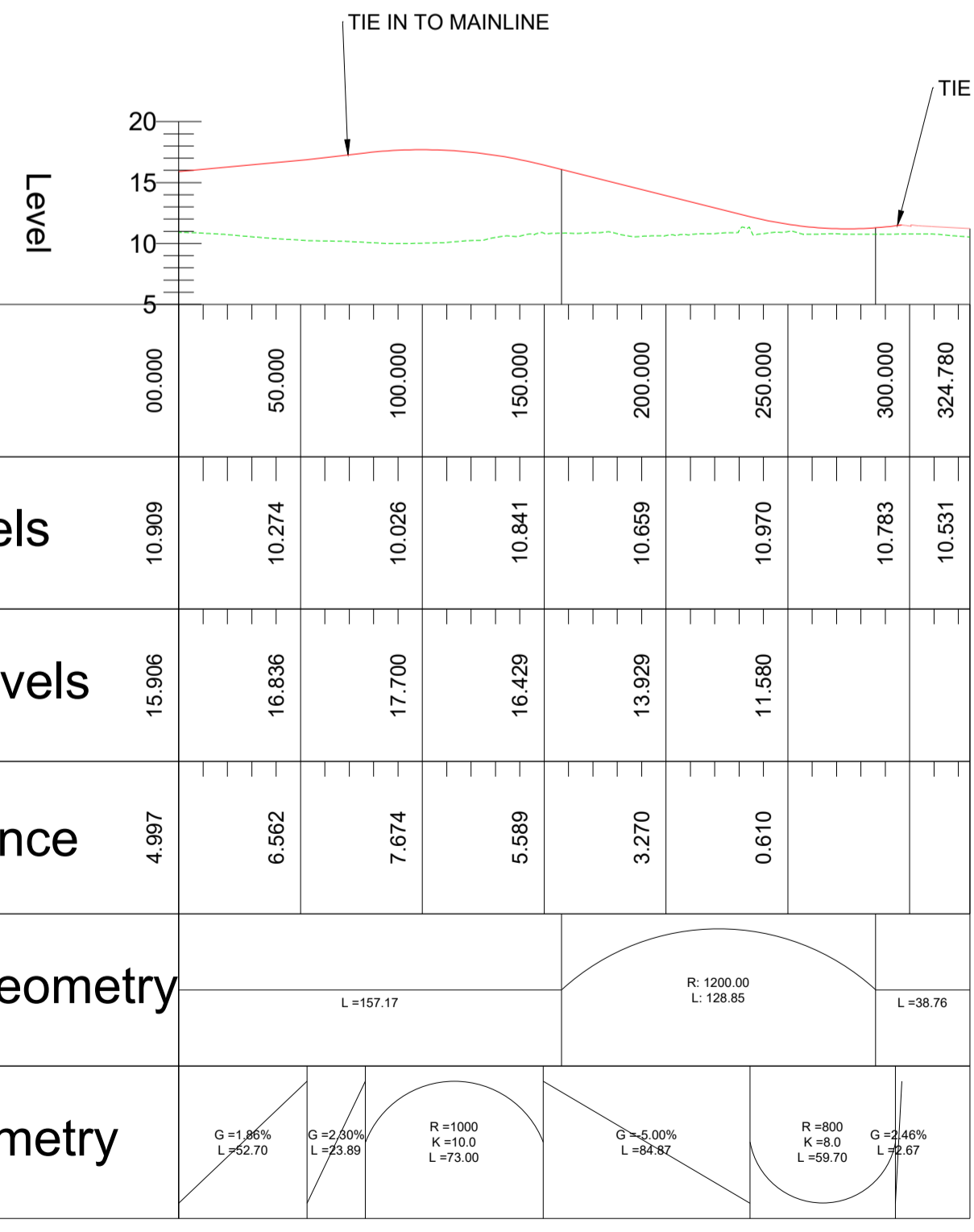
**PLAN VIEW KEY:**

- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- NEW DESIGN CHAINAGE
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

**PROFILE VIEW KEY:**

- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE

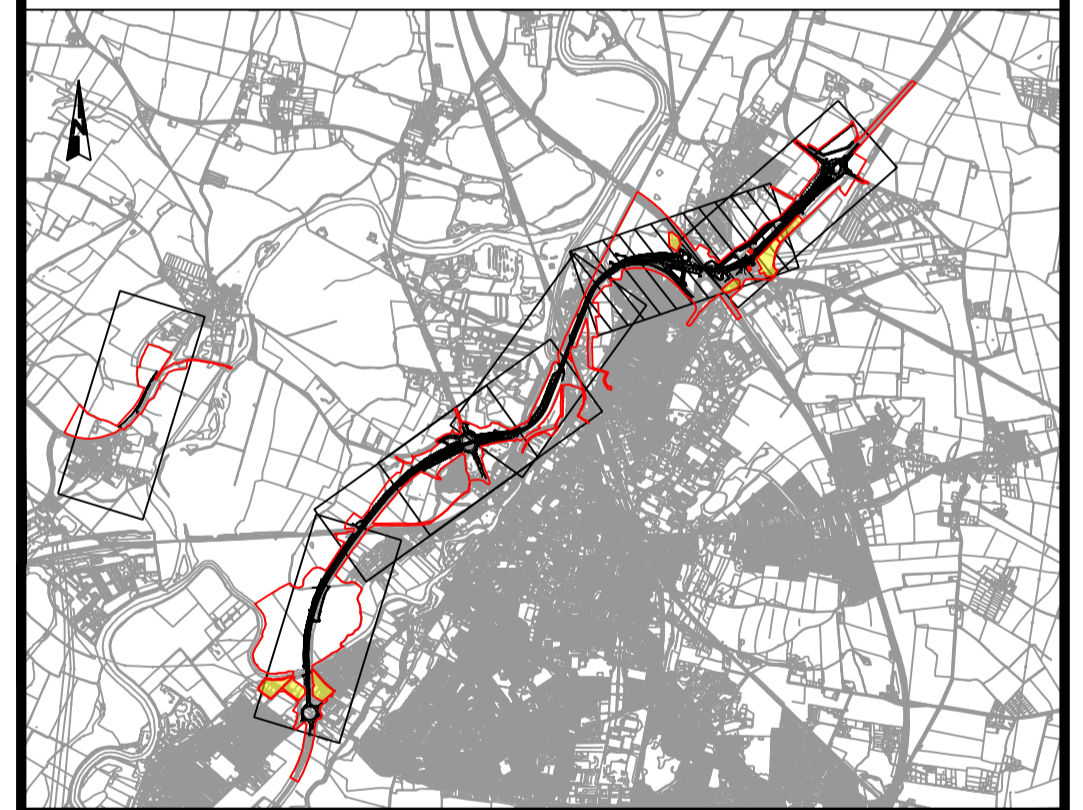
**S03\_OA\_BH\_NBZZ\_DVRG**  
SCALE: H 1:2500, V 1:500. DATUM: 5.000



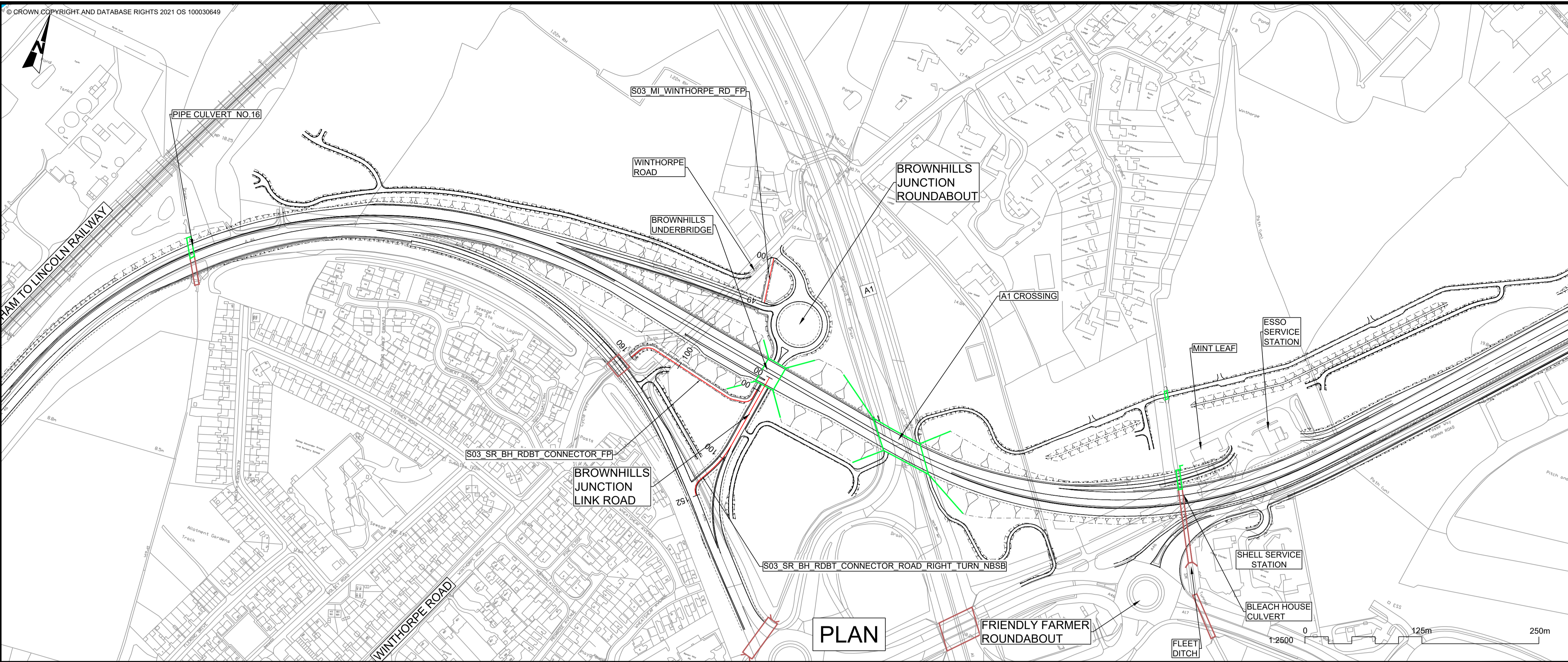
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SCALE: H 1:2500, V 1:500. DATUM: 5.000



PROFILE



REV. DATE	11/03/24	Revised for DCO Submission	JK	SC	HF
CLIENT	national highways				
PURPOSE OF ISSUE	DCO APPLICATION				
DEVELOPMENT CONSENT ORDER NUMBER	TR010065				
PROJECT TITLE	A46 NEWARK BYPASS				
DRAWING TITLE	ENGINEERING PLANS AND SECTIONS REGULATION 5(2)(o), 5(2)(P) and 6(2) PLAN AND PROFILES - SHEET 17 OF 37 BROWNHILLS JUNCTION				
ORIGINAL SIZE	A1	SCALE	1:2500		
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478	SKAG	HGN		HE551478	
CONWI_CONW	DR	CH	26241	REVISION	
LOCATION	TYPE	ROLE	NUMBER	C02	



PLAN

- NOTES**
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**PLAN VIEW KEY:**

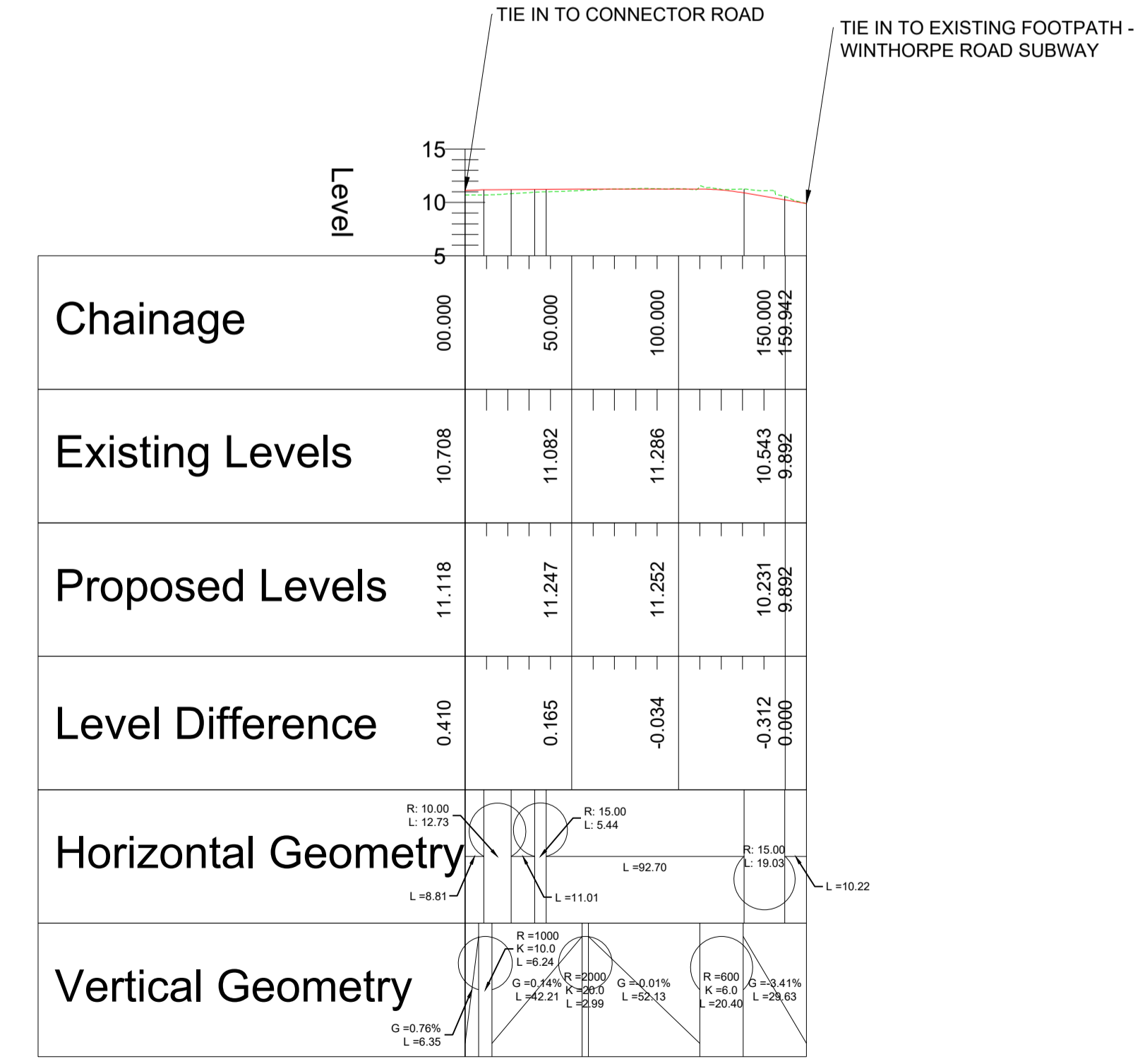
- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- NEW DESIGN CHAINAGE
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

**PROFILE VIEW KEY:**

- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE

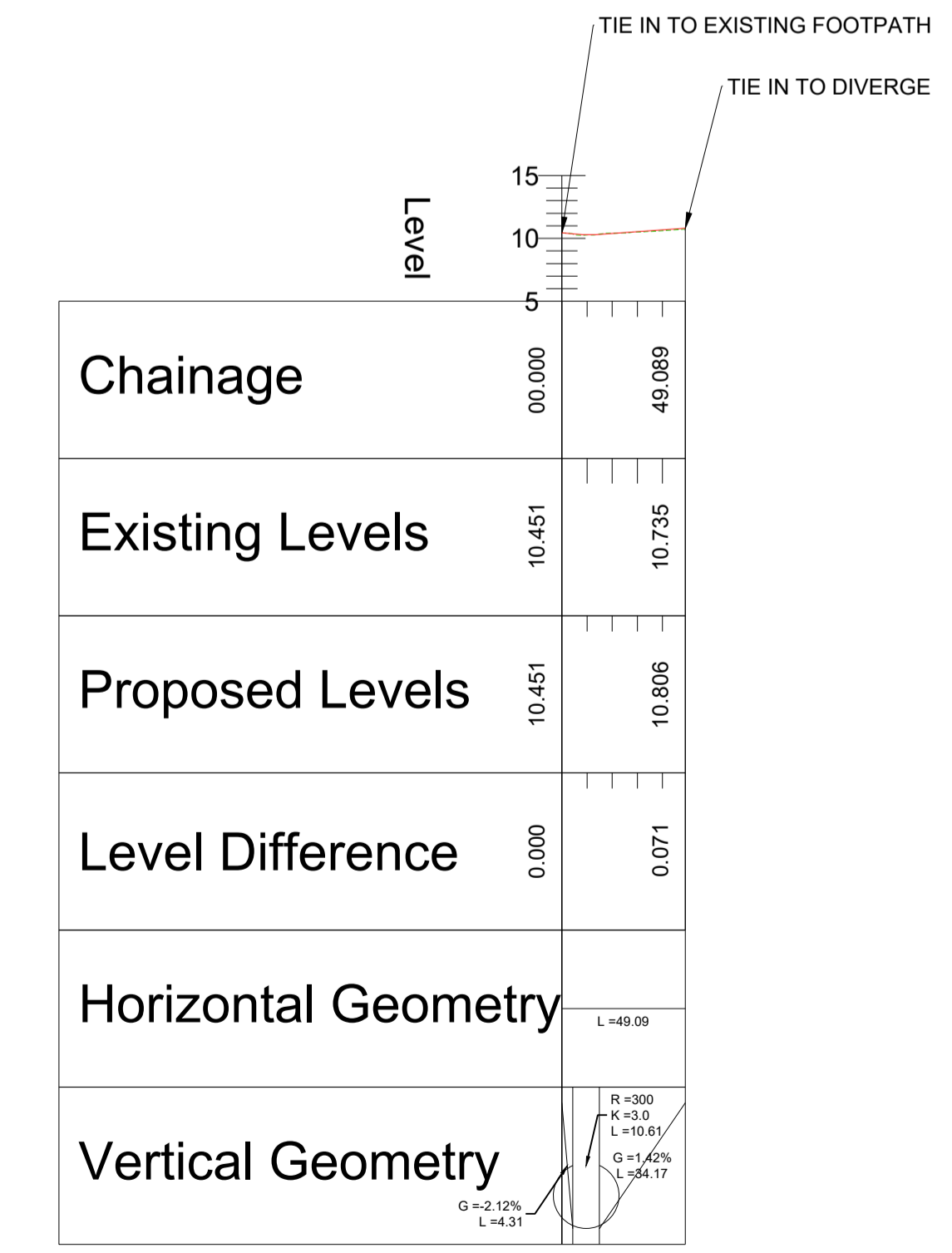
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SCALE: H 1:2500,V 1:500. DATUM: 5.000



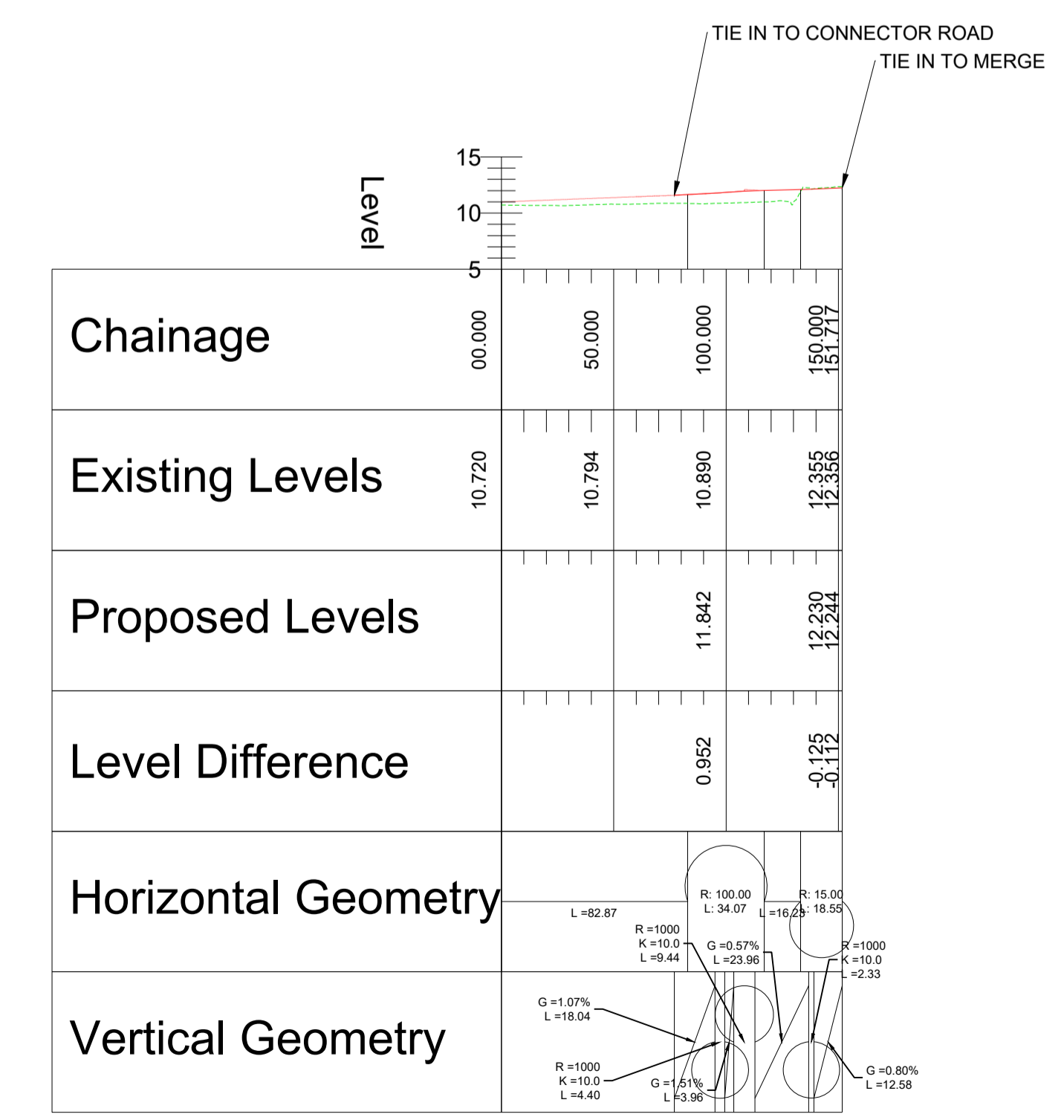
S03\_MI\_WINTHORPE\_RD\_FP

SCALE: H 1:2500,V 1:500. DATUM: 5.000

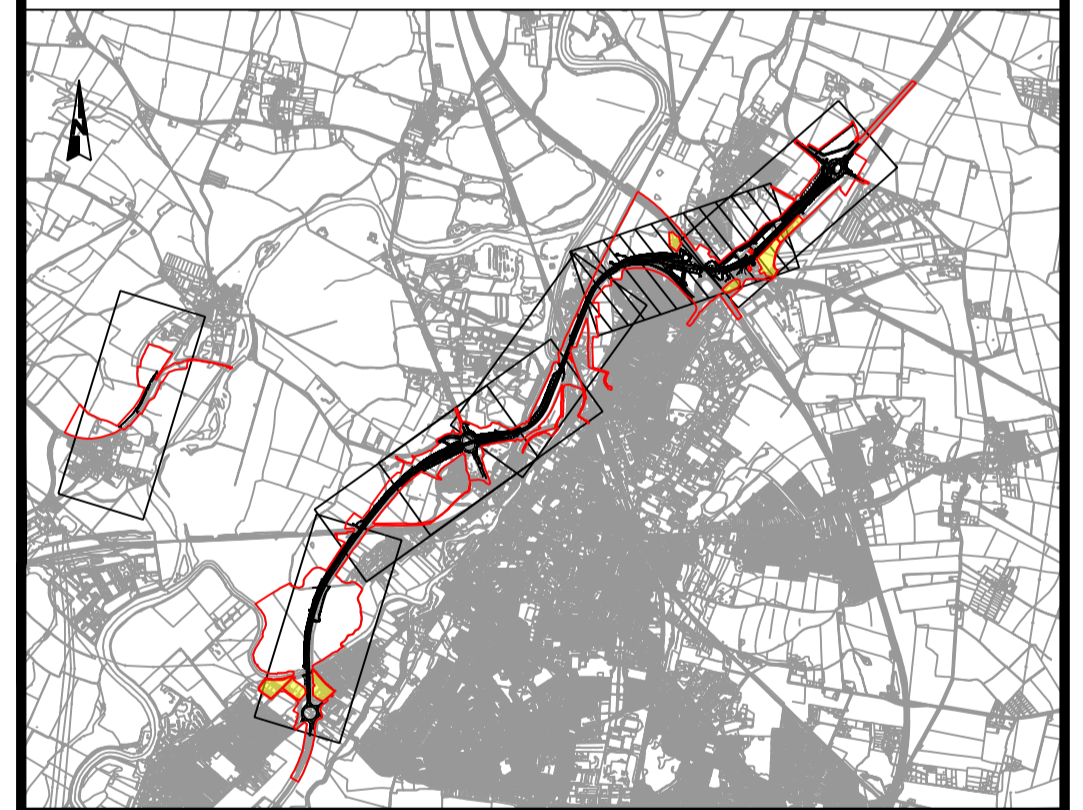


S03\_SR\_BH\_RDBT\_CONNECTOR\_ROAD  
\_RIGHT\_TURN\_NBSB

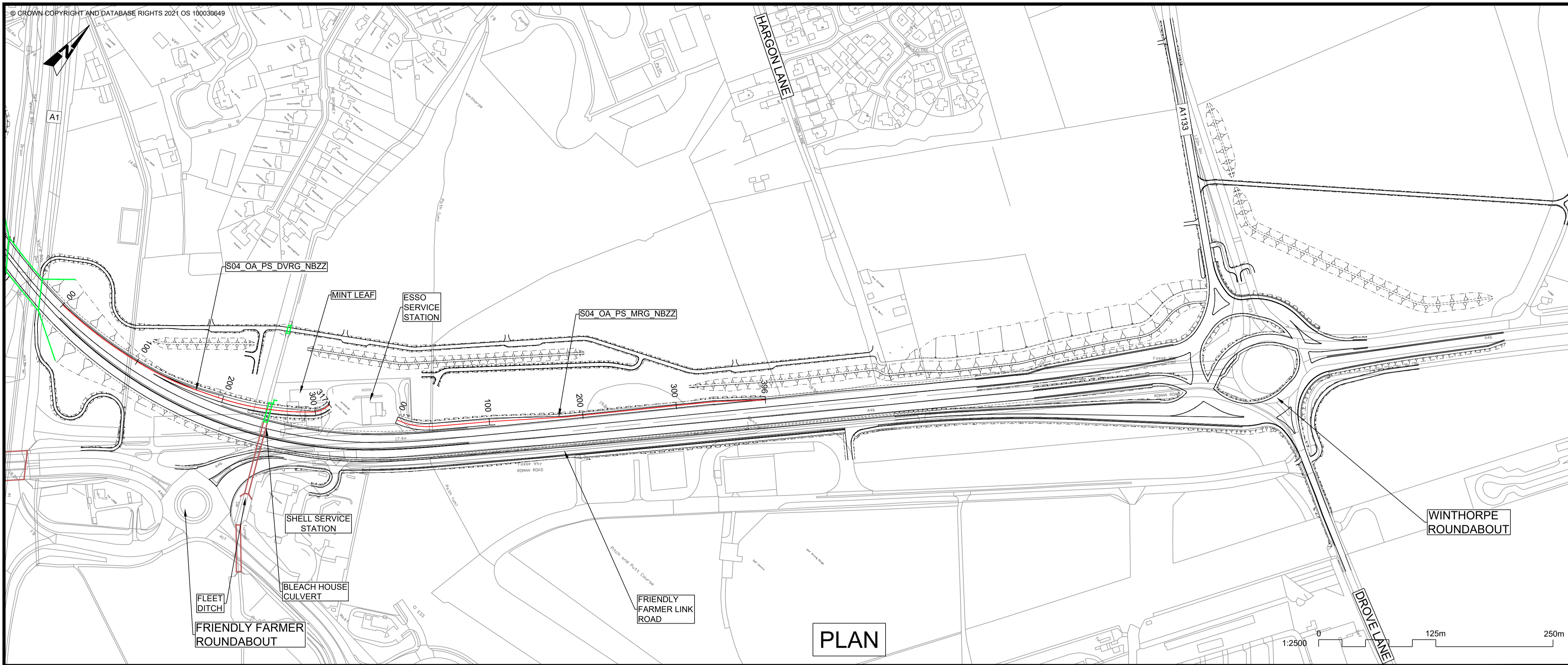
SCALE: H 1:2500,V 1:500. DATUM: 5.000



PROFILE



C02	11/03/24	Revised for DCO Submission	JK	SC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
CLIENT <b>national highways</b>					
PURPOSE OF ISSUE DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER TR010065					
PROJECT TITLE A46 NEWARK BYPASS					
DRAWING TITLE ENGINEERING PLANS AND SECTIONS REGULATION 5(2)(c), 5(2)(P) and 6(2) PLAN AND PROFILES - SHEET 18 OF 37 BROWNHILLS JUNCTION					
ORIGINAL SIZE	A1	SCALE	1:2500		
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478	SKAG	HGN		HE551478	
CONWI_CONW	DR	CH	26242	REVISION	C02
LOCATION	TYPE	ROLE	NUMBER		



PLAN

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**PLAN VIEW KEY:**

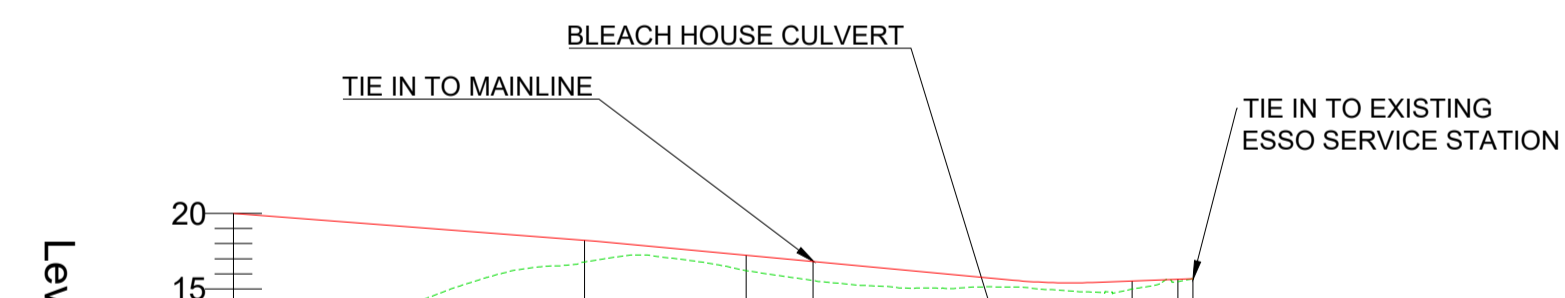
- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- NEW DESIGN CHAINAGE
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

**PROFILE VIEW KEY:**

- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE

S04\_OA\_PS\_DVRG\_NBZZ

SCALE: H 1:2500, V 1:500. DATUM: 10.000



Chainage	00.000	50.000	100.000	150.000	200.000	250.000	300.000	317.241
Existing Levels	10.256	13.255	16.434	16.915	15.377	15.146	15.089	15.675
Proposed Levels	19.994	19.225	18.455	17.589	16.658	15.727	15.548	15.675
Level Difference	9.738	5.969	2.022	0.674	1.281	0.580	0.459	0.000
Horizontal Geometry	R: 471.11 L: 116.08		R: 300.00 L: 53.44		R: 300.00 L: 105.59		R: 250.00 L: 15.16	
Vertical Geometry	G = -1.54% L = 120.90		G = -1.80% L = 138.04		R = 1000 K = 10.0 L = 29.96		G = +0.72% L = 53.24	

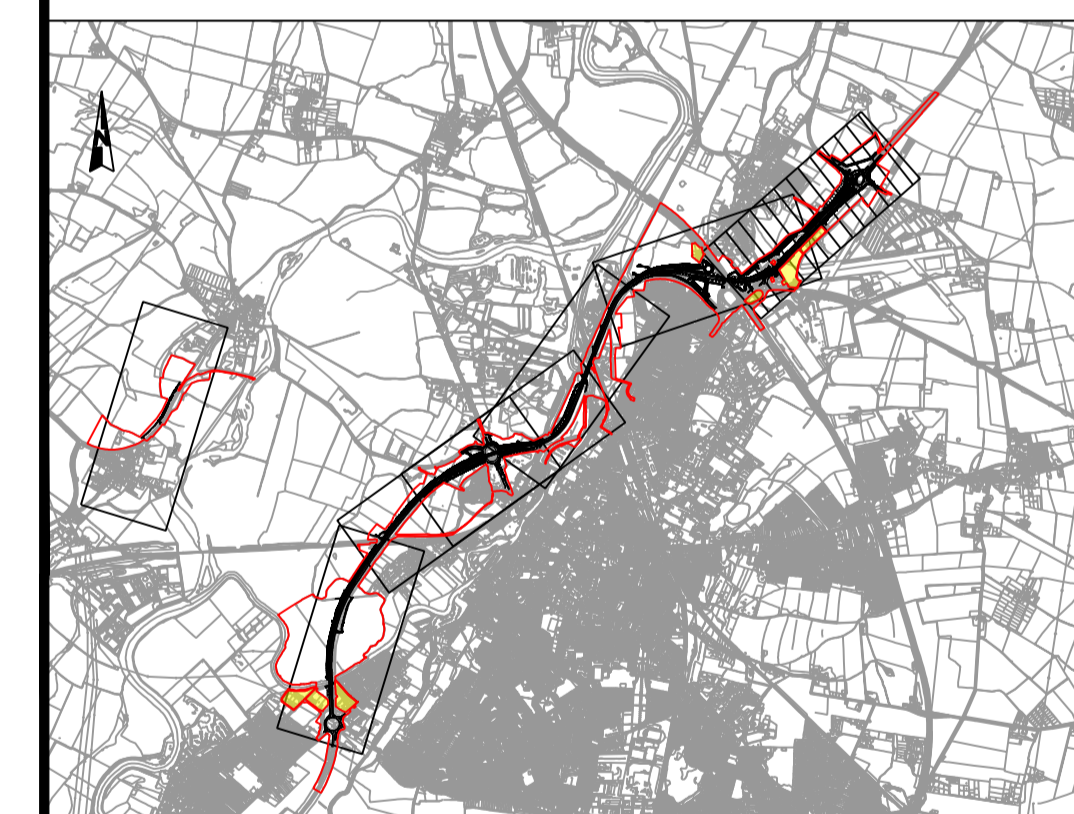
S04\_OA\_PS\_MRG\_NBZZ

SCALE: H 1:2500, V 1:500. DATUM: 15.000



Chainage	00.000	50.000	100.000	150.000	200.000	250.000	300.000	350.000	395.502
Existing Levels	16.783	17.618	18.067	18.667	19.504	19.409	19.061	19.169	19.205
Proposed Levels	16.783	17.936	18.646						
Level Difference	0.000	0.318	0.579						
Horizontal Geometry	R: 75.60 L: 38.85		R: 504.82 L: 13.41		L = 72.26		L = 158.70		L = 55.17
Vertical Geometry	G = -0.22% L = 14.64		G = -0.00% L = 20.00		R = 2000 K = 10.0 L = 13.42		G = +1.25% L = 43.18		

PROFILE



C02	11/03/24	Revised for DCO Submission	JK	SC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D

CLIENT

PURPOSE OF ISSUE  
 DCO APPLICATION

DEVELOPMENT CONSENT ORDER NUMBER  
 TR010065

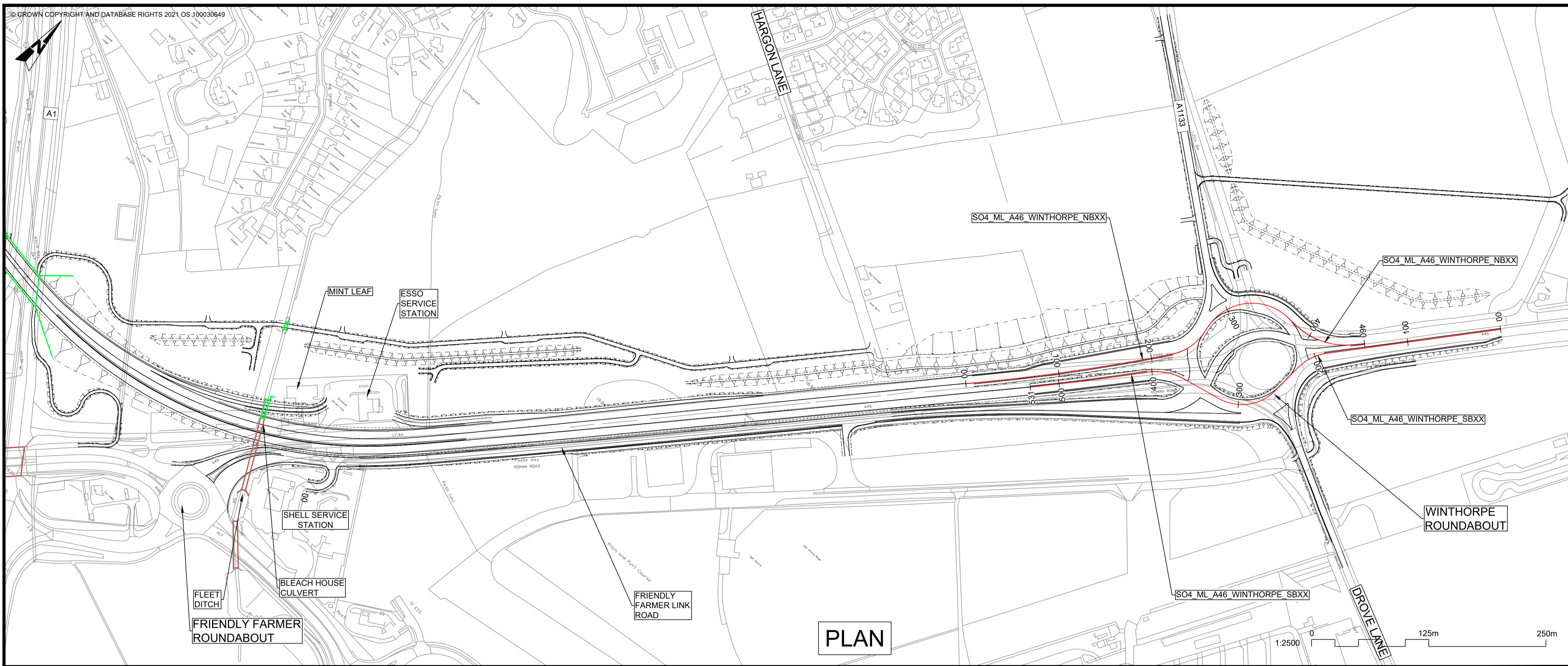
PROJECT TITLE  
 A46 NEWARK BYPASS

DRAWING TITLE  
 ENGINEERING PLANS AND SECTIONS  
 REGULATION 5(2)(o), 5(2)(P) and 6(2)  
 PLAN AND PROFILES - SHEET 19 OF 37  
 ESSO SERVICE STATION SLIP ROADS

ORIGINAL SIZE	A1	SCALE	1:2500
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DRAWING NUMBER	ORIGINATOR	VOLUME	PROJECT REF NO.
HE551478	SKAG	HGN	HE551478
CONWI_CONW	DR	CH	REVISION
LOCATION	TYPE	ROLE	NUMBER
			C02

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PLAN

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**PLAN VIEW KEY:**

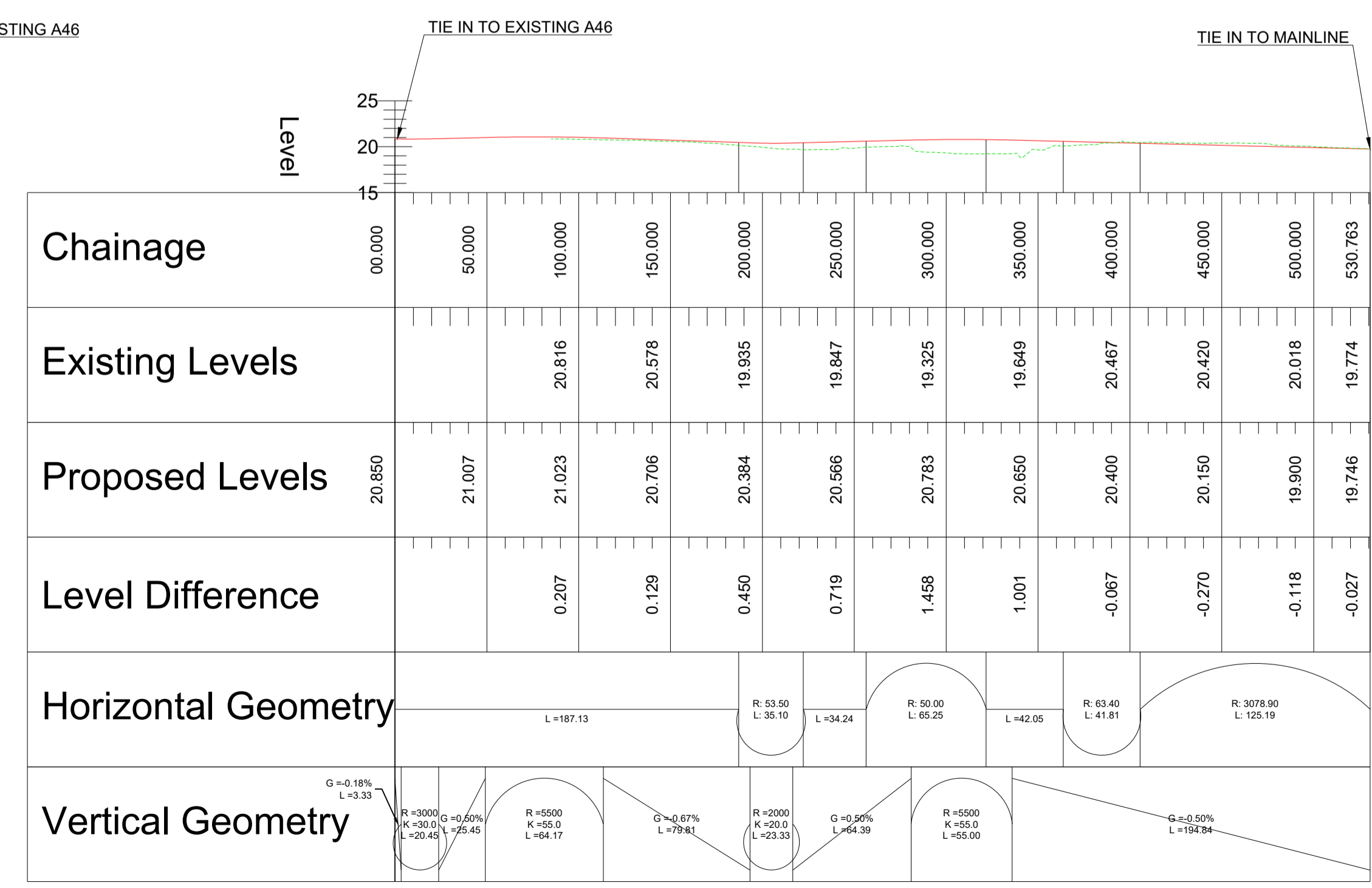
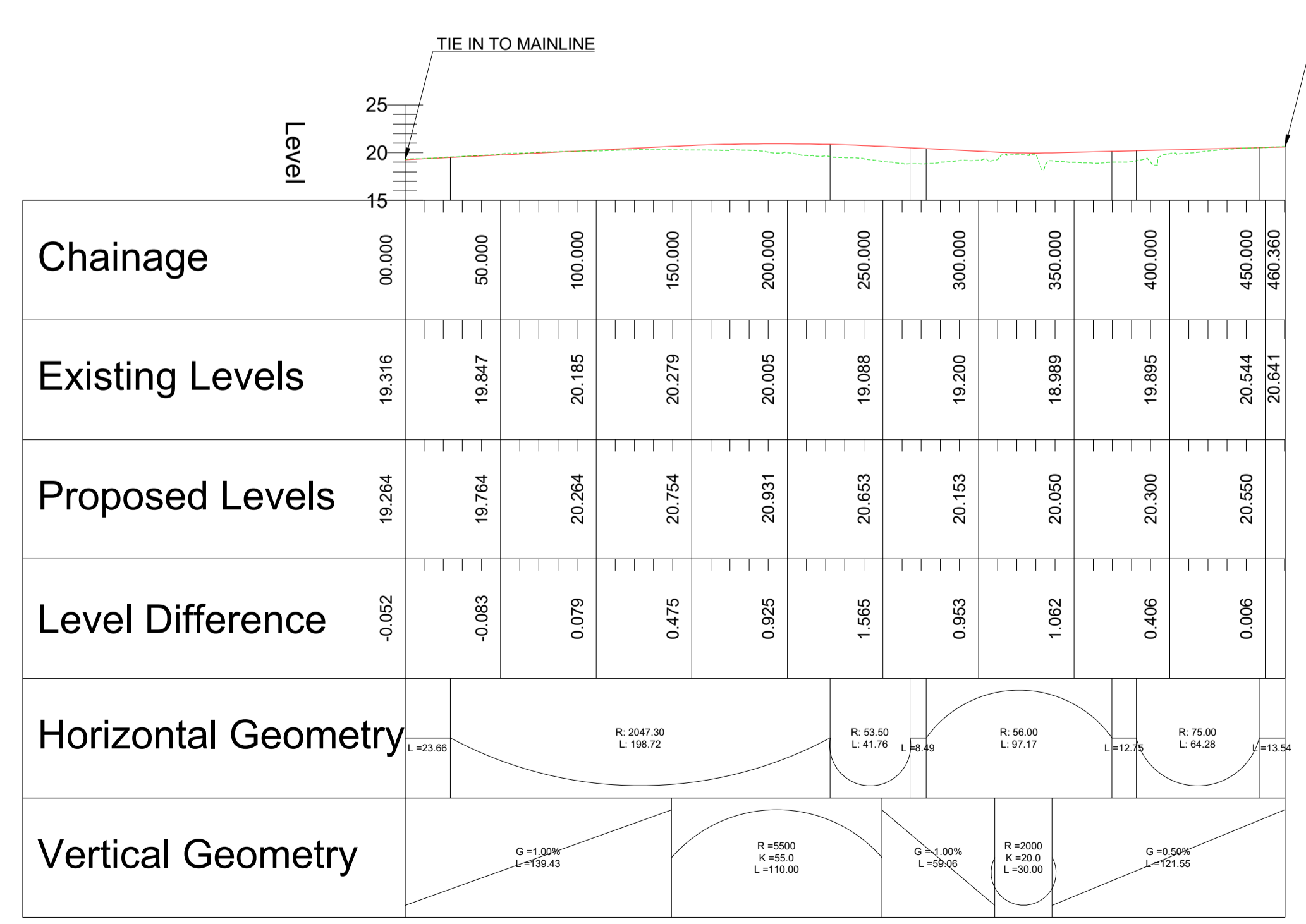
- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- NEW DESIGN CHAINAGE
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

**PROFILE VIEW KEY:**

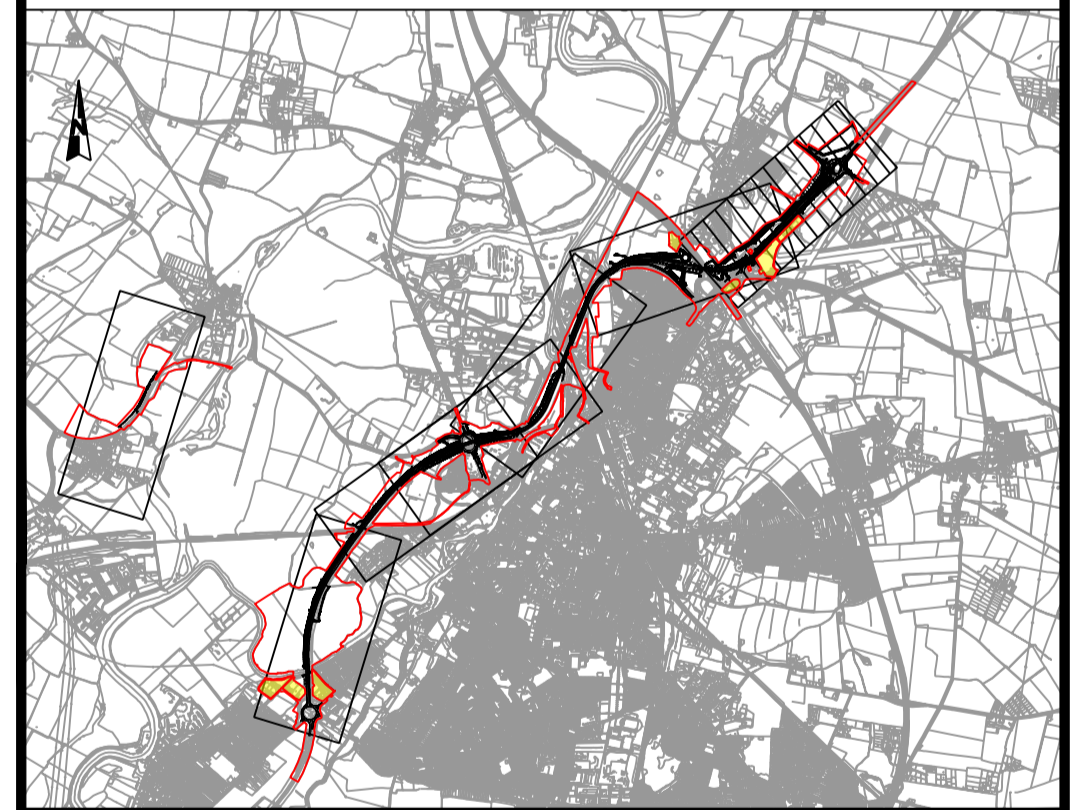
- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE

SO4\_ML\_A46\_WINTHORPE\_NBXX  
SCALE: H 1:2500,V 1:500. DATUM: 15.000

SO4\_ML\_A46\_WINTHORPE\_SBXX  
SCALE: H 1:2500,V 1:500. DATUM: 15.000

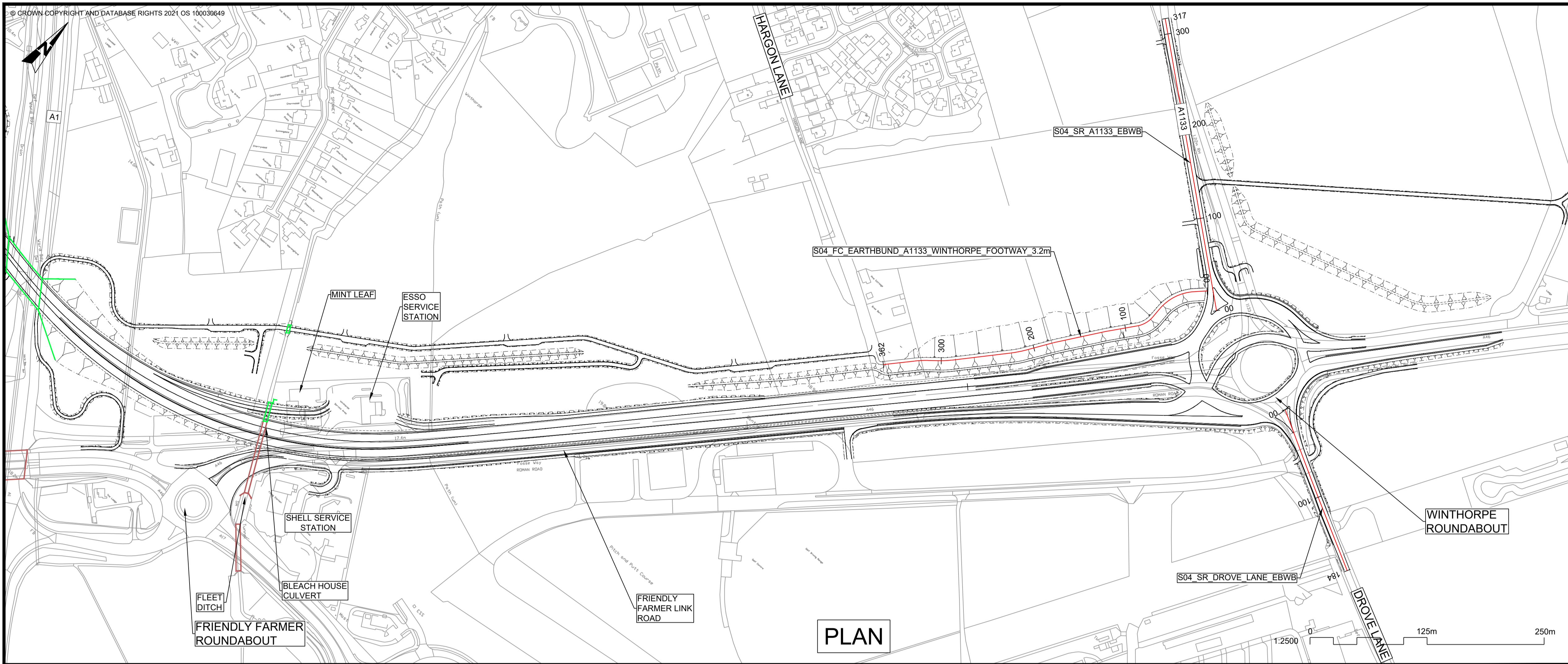


PROFILE



C02	11/03/24	Revised for DCO Submission	JK	SC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
CLIENT <b>national highways</b>					
PURPOSE OF ISSUE DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER TR010065					
PROJECT TITLE A46 NEWARK BYPASS					
DRAWING TITLE ENGINEERING PLANS AND SECTIONS REGULATION 5(2)(o), 5(2)(P) and 6(2) PLAN AND PROFILES - SHEET 20 OF 37 WINTHORPE ROUNDABOUT					
ORIGINAL SIZE	A1	SCALE	1:2500	PROJECT REF NO. HE551478	
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	REVISION	
HE551478	SKAG	HGN	26260	C02	
LOCATION	CONWI_CONW	DR	CH	TYPE	ROLE

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**PLAN VIEW KEY:**

- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- NEW DESIGN CHAINAGE
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

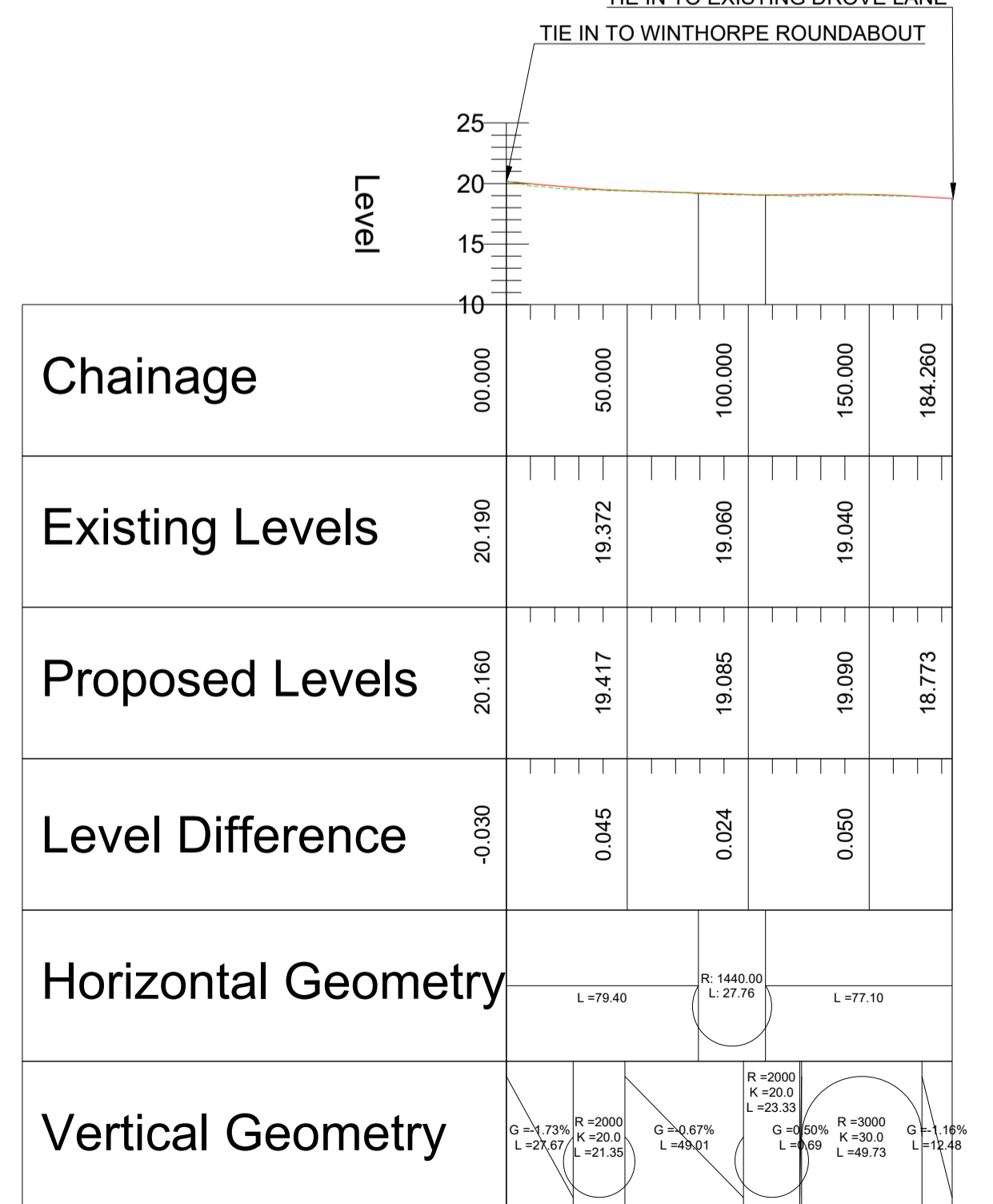
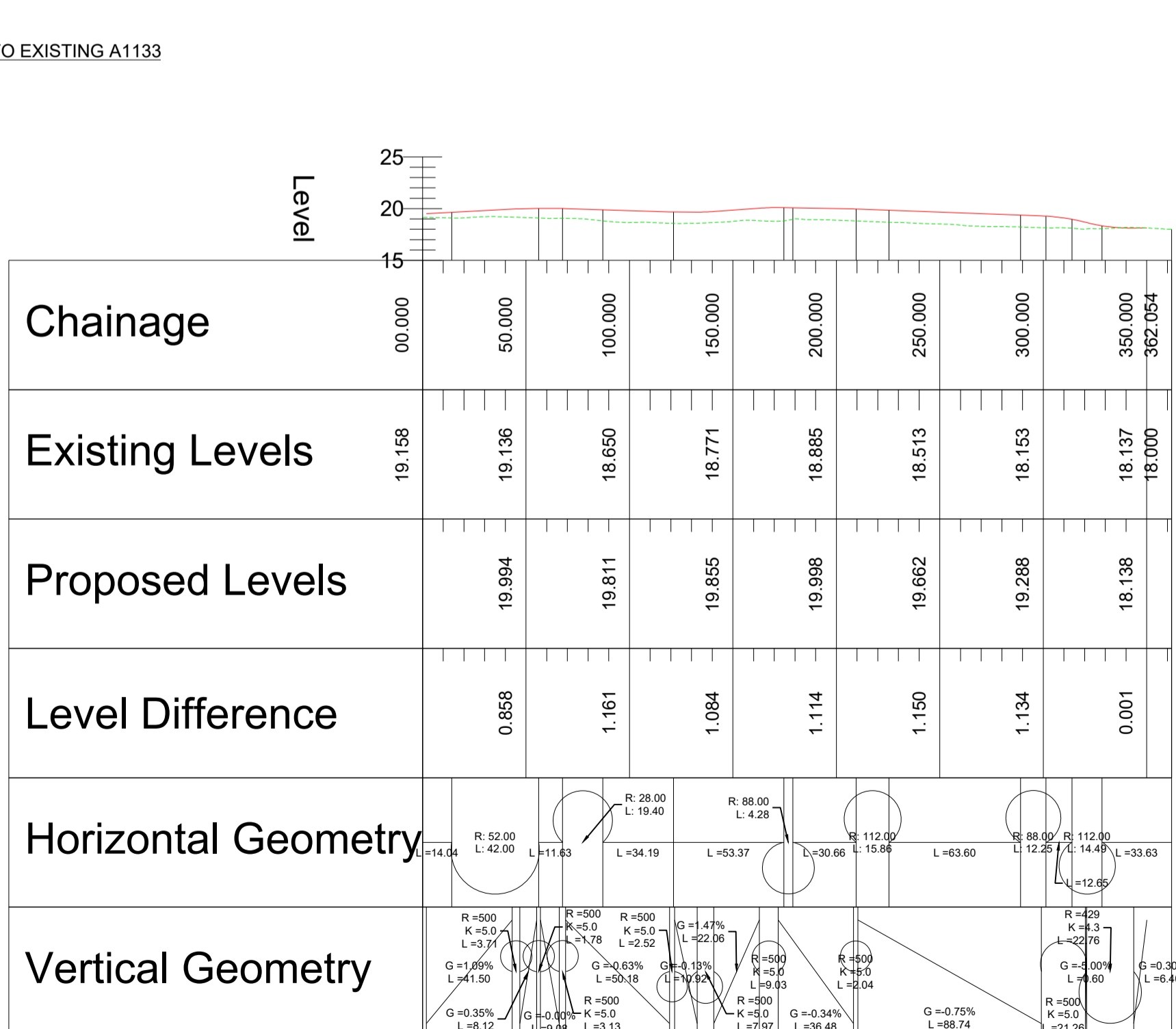
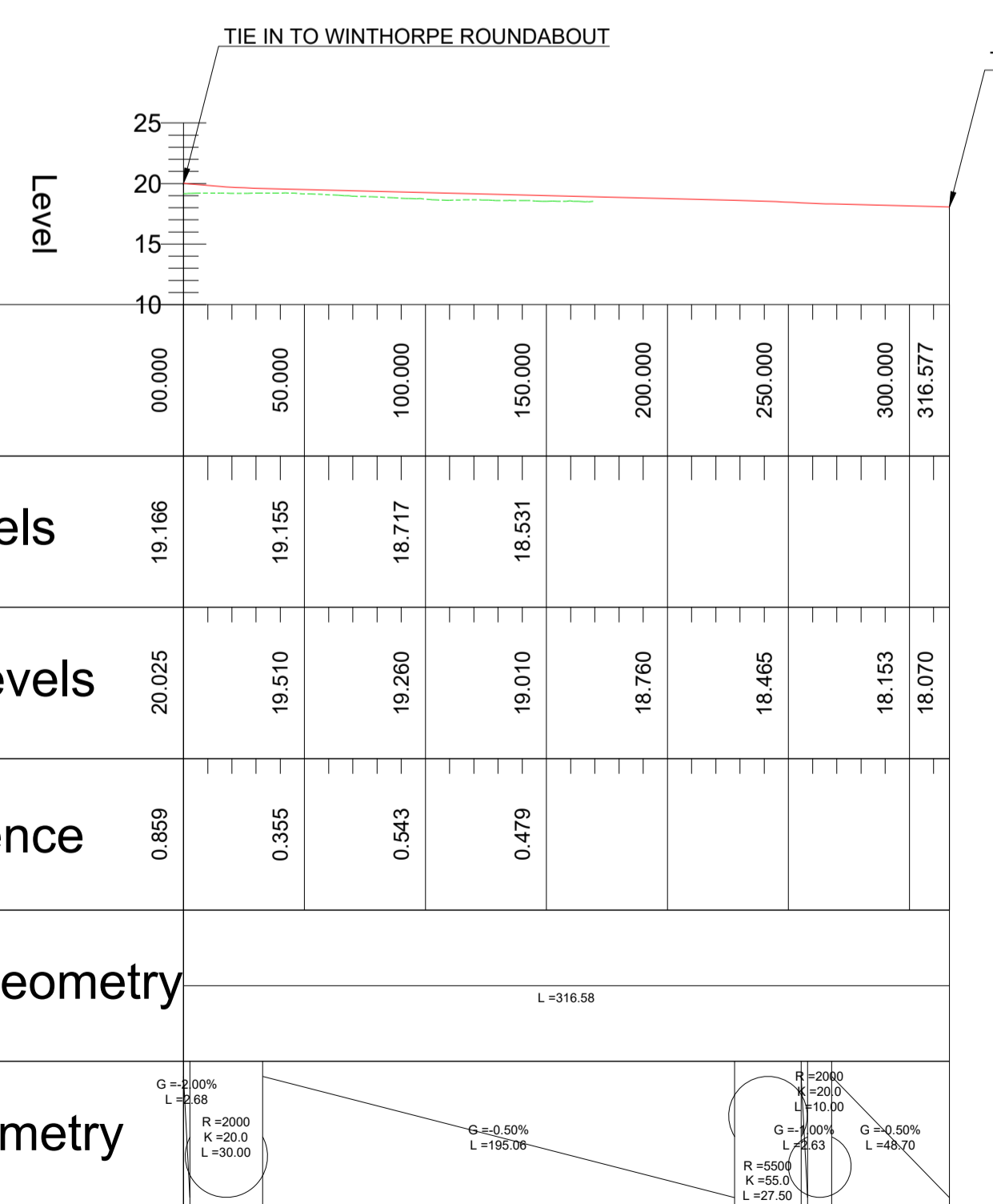
**PROFILE VIEW KEY:**

- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE

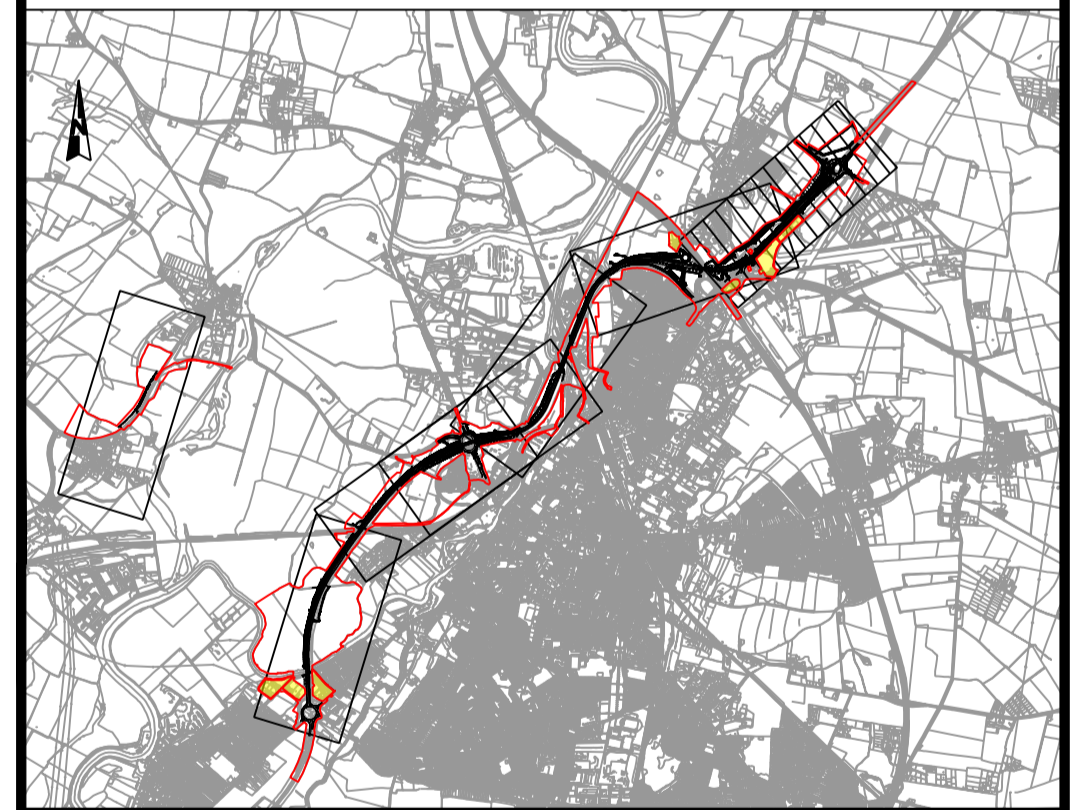
**S04\_SR\_A1133\_EBWB**  
SCALE: H 1:2500, V 1:500, DATUM: 10.000

**S04\_FC\_EARTHBOUND\_A1133\_WINTHORPE  
\_FOOTWAY\_3.2M**  
SCALE: H 1:2500, V 1:500, DATUM: 15.000

**S04\_SR\_DROVE\_LANE\_EBWB**  
SCALE: H 1:2500, V 1:500, DATUM: 10.000

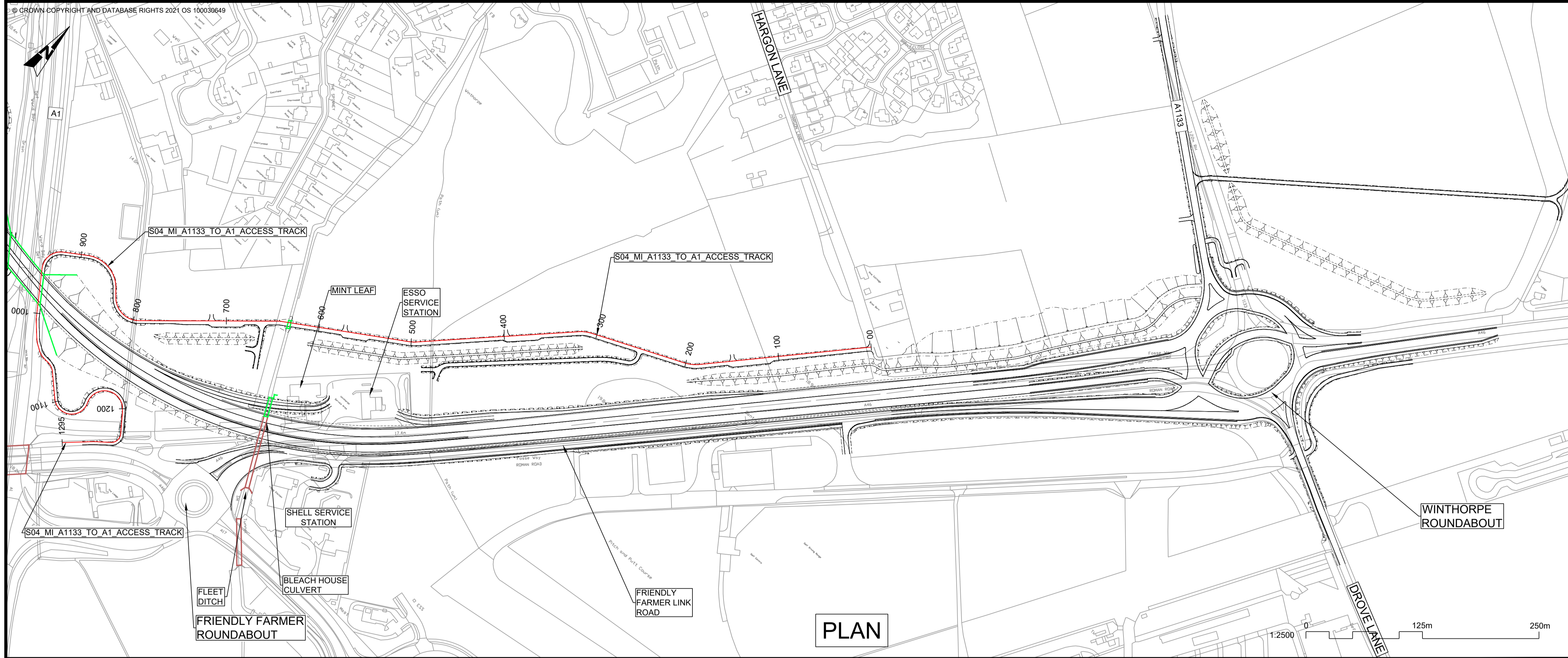


**PROFILE**



CO2	11/03/24	Revised for DCO Submission	JK	SC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
CLIENT <b>national highways</b>					
PURPOSE OF ISSUE DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER TR010065					
PROJECT TITLE A46 NEWARK BYPASS					
DRAWING TITLE ENGINEERING PLANS AND SECTIONS REGULATION 5(2)(o), 5(2)(P) and 6(2) PLAN AND PROFILES - SHEET 21 OF 37 WINTHORPE ROUNDABOUT					
ORIGINAL SIZE	A1	SCALE	1:2500		
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478	SKAG	HGN		HE551478	
CONWI_CONW	DR	CH	26261	REVISION	
LOCATION	TYPE	ROLE	NUMBER	C02	

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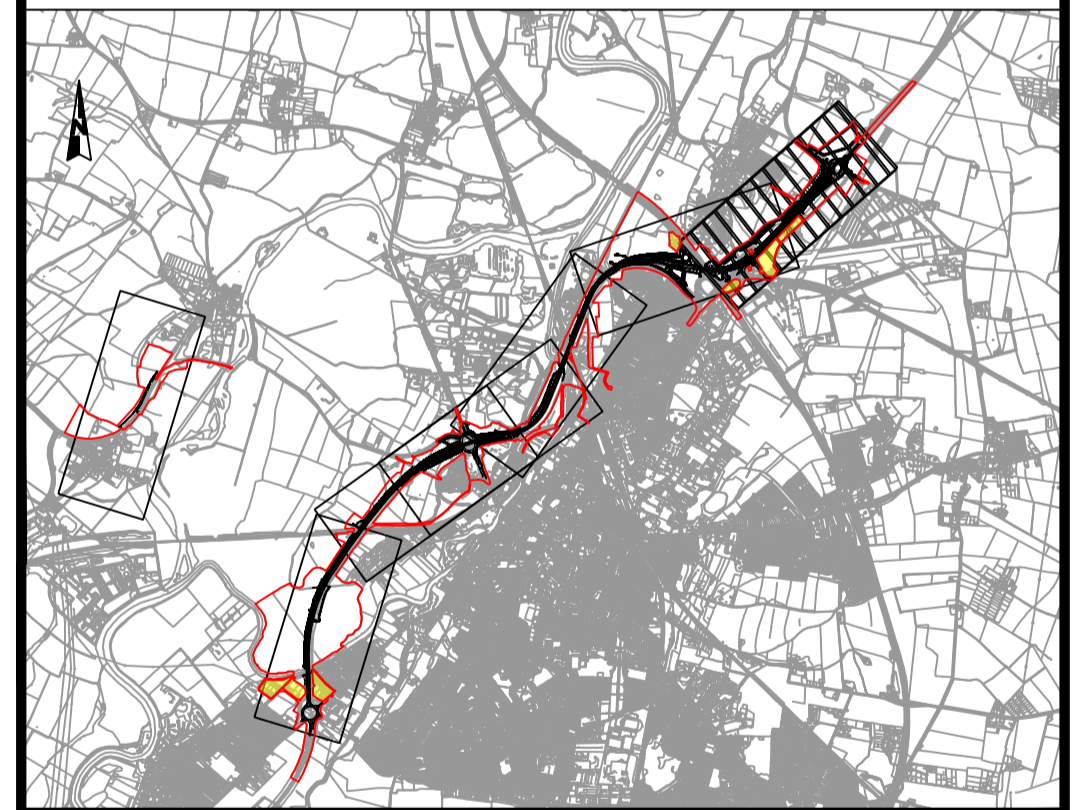
**PLAN VIEW KEY:**

- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- NEW DESIGN CHAINAGE
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

**PROFILE VIEW KEY:**

- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE

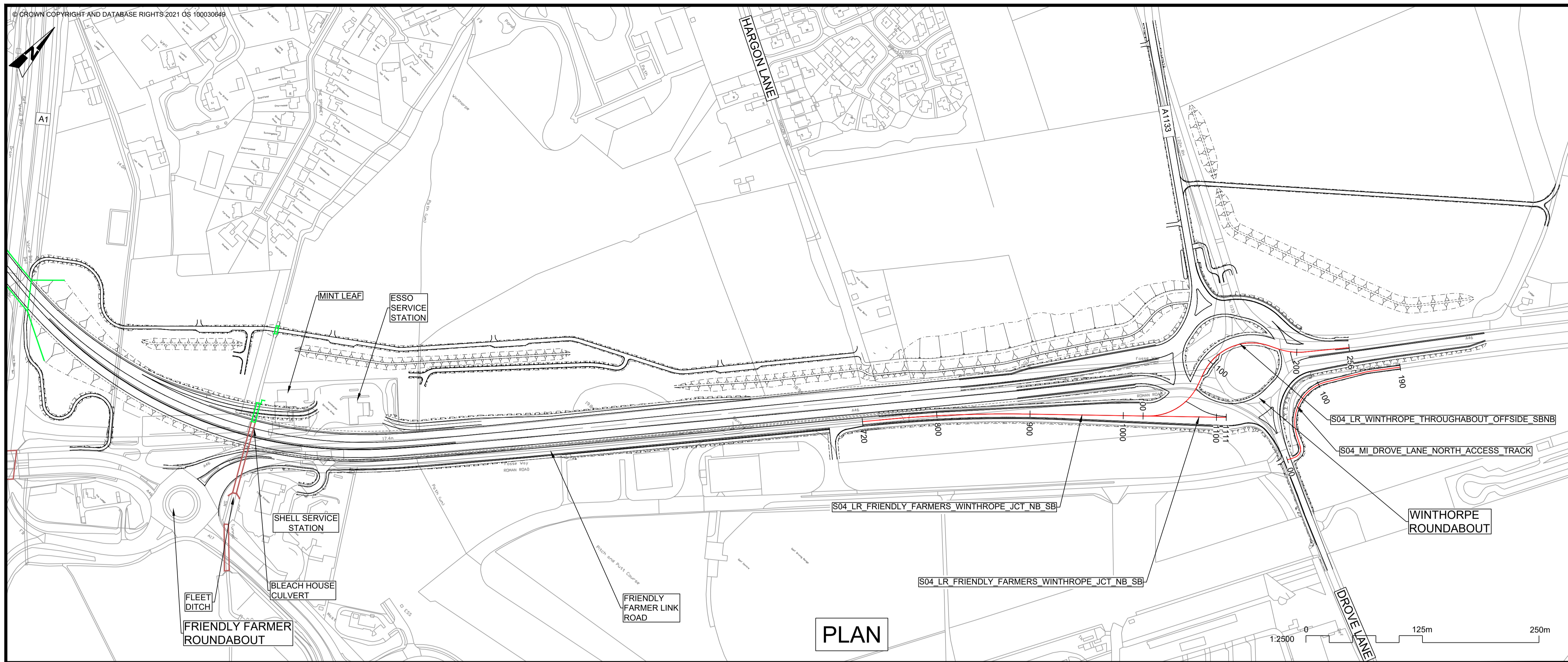
**S04\_MI\_A1133\_TO\_A1\_ACCESS\_TRACK**  
SCALE: H 1:2500, V 1:500. DATUM: 5.000



C02	11/03/24	Revised for DCO Submission	JK	SC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
CLIENT <b>national highways</b>					
PURPOSE OF ISSUE DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER TR010065					
PROJECT TITLE A46 NEWARK BYPASS					
DRAWING TITLE ENGINEERING PLANS AND SECTIONS REGULATION 5(2)(o), 5(2)(P) and 6(2) PLAN AND PROFILES - SHEET 22 OF 37 WINTHORPE ROUNDABOUT					
ORIGINAL SIZE	A1	SCALE	1:2500		
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478	SKAG	HGN		HE551478	
CONWI_CONW	DR	CH	26262	REVISION	
LOCATION	TYPE	ROLE	NUMBER	C02	

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**PROFILE**



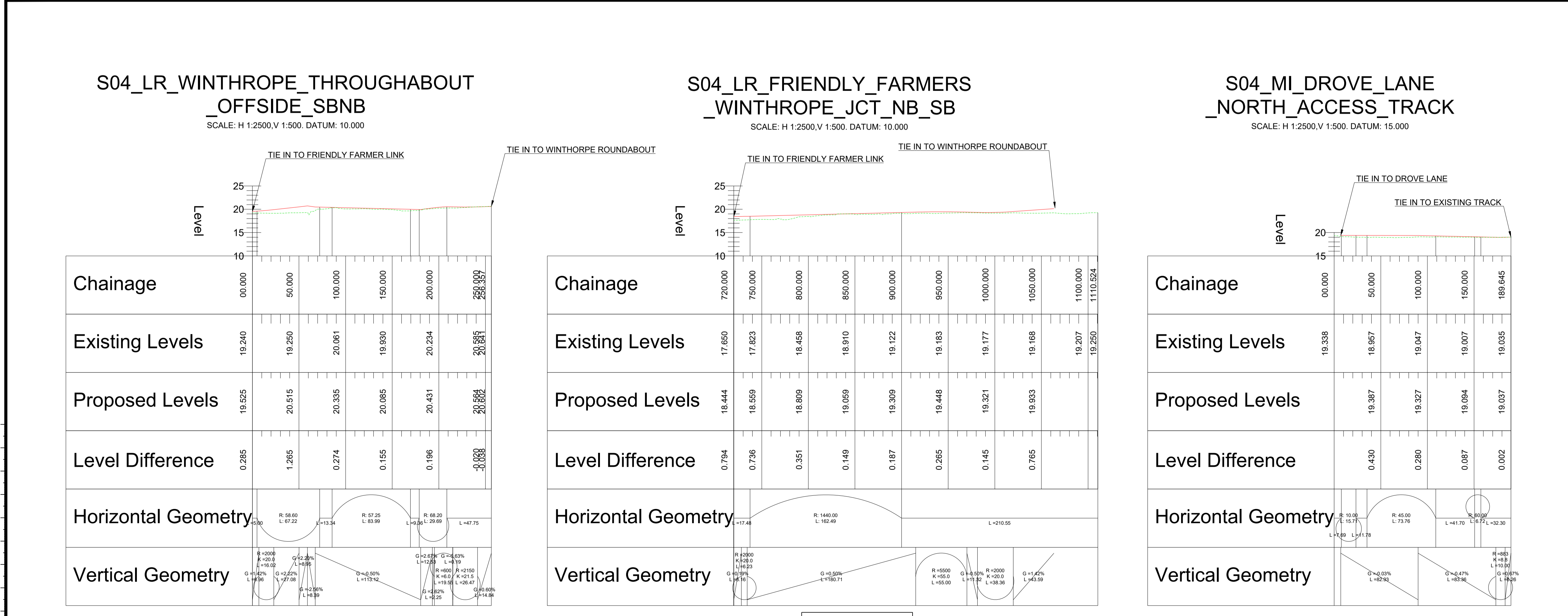
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**PLAN VIEW KEY:**

- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- NEW DESIGN CHAINAGE
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

**PROFILE VIEW KEY:**

- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE



**S04\_LR\_WINTHROPE\_THROUGHABOUT  
\_OFFSIDE\_SBNB**  
SCALE: H 1:2500, V 1:500. DATUM: 10.000

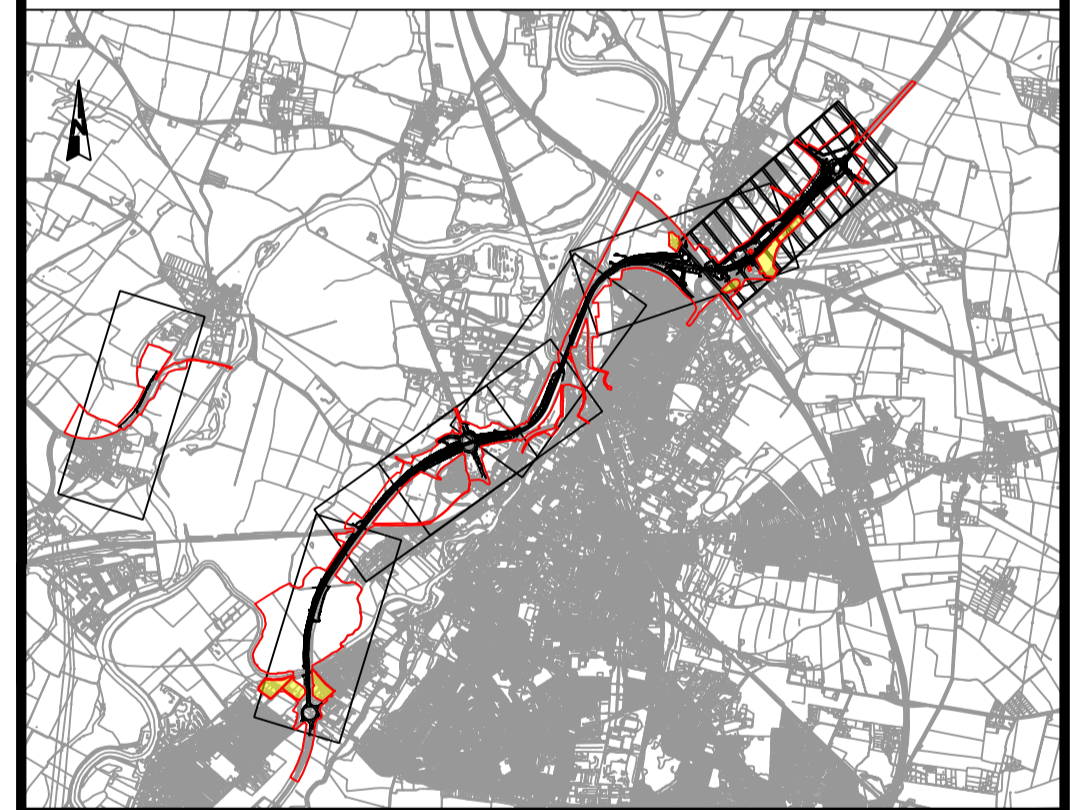
Chainage	Existing Levels	Proposed Levels	Level Difference	Horizontal Geometry	Vertical Geometry
00.000	19.240	19.525	0.285	R=58.00 L=87.22	G=-1.42% L=14.96
50.000	19.250	20.515	1.265	R=57.25 L=83.99	G=-2.22% L=27.08
100.000	20.061	20.335	0.274	R=57.25 L=83.99	G=-0.50% L=113.12
150.000	19.930	20.085	0.155	R=66.30 L=96.36	G=-2.87% L=14.96
200.000	20.234	20.431	0.196	R=200.00 L=12.53	G=-0.63% L=11.99
250.000	20.585	20.564	-0.021	R=200.00 L=12.53	G=-2.62% L=14.96
258.357	20.651	20.651	0.000	R=200.00 L=12.53	G=0.00% L=14.96

**S04\_LR\_FRIENDLY\_FARMERS  
\_WINTHROPE\_JCT\_NB\_SB**  
SCALE: H 1:2500, V 1:500. DATUM: 10.000

Chainage	Existing Levels	Proposed Levels	Level Difference	Horizontal Geometry	Vertical Geometry
720.000	17.650	18.444	0.794	R=1460.00 L=162.49	G=0.50% L=180.71
750.000	17.823	18.559	0.736	R=1460.00 L=162.49	G=0.50% L=180.71
800.000	18.458	18.809	0.351	R=1460.00 L=162.49	G=0.50% L=180.71
850.000	18.910	19.059	0.149	R=1460.00 L=162.49	G=0.50% L=180.71
900.000	19.122	19.309	0.187	R=1460.00 L=162.49	G=0.50% L=180.71
950.000	19.183	19.448	0.265	R=1460.00 L=162.49	G=0.50% L=180.71
1000.000	19.177	19.321	0.145	R=1460.00 L=162.49	G=0.50% L=180.71
1050.000	19.168	19.933	0.765	R=1460.00 L=162.49	G=0.50% L=180.71
1100.000	19.207	19.933	0.726	R=1460.00 L=162.49	G=0.50% L=180.71
1110.524	19.250	19.933	0.683	R=1460.00 L=162.49	G=0.50% L=180.71

**S04\_MI\_DROVE\_LANE  
\_NORTH\_ACCESS\_TRACK**  
SCALE: H 1:2500, V 1:500. DATUM: 15.000

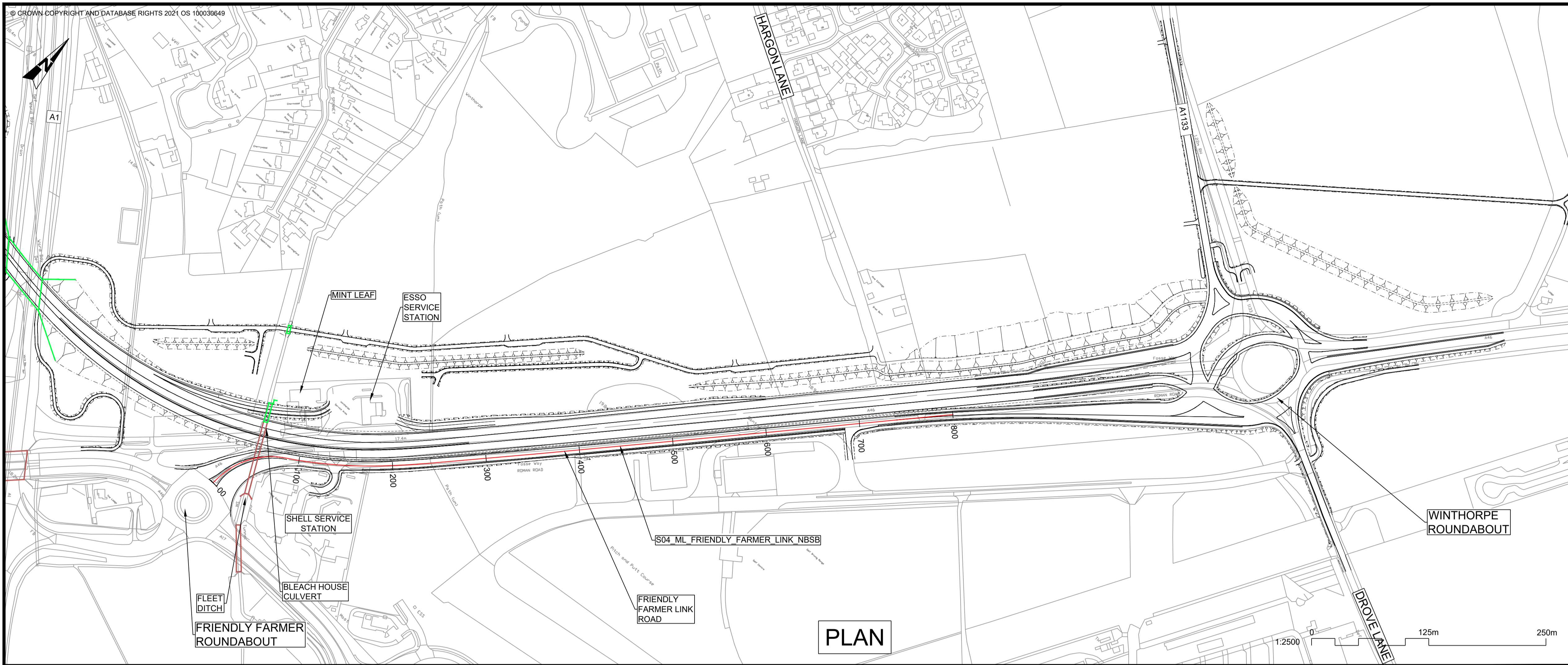
Chainage	Existing Levels	Proposed Levels	Level Difference	Horizontal Geometry	Vertical Geometry
00.000	19.338	19.387	0.049	R=10.00 L=15.71	G=-0.03% L=82.63
50.000	18.957	19.387	0.430	R=45.00 L=73.76	G=-0.03% L=82.63
100.000	19.047	19.327	0.280	R=45.00 L=73.76	G=-0.03% L=82.63
150.000	19.007	19.084	0.077	R=45.00 L=73.76	G=-0.47% L=83.98
189.645	19.035	19.037	0.002	R=45.00 L=73.76	G=-0.47% L=83.98



CO2	11/03/24	Revised for DCO Submission	JK	SC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
CLIENT <b>national highways</b>					
PURPOSE OF ISSUE DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER TR010065					
PROJECT TITLE A46 NEWARK BYPASS					
DRAWING TITLE ENGINEERING PLANS AND SECTIONS REGULATION 5(2)(o), 5(2)(P) and 6(2) PLAN AND PROFILES - SHEET 23 OF 37 WINTHORPE ROUNDABOUT					
ORIGINAL SIZE	A1	SCALE	1:2500		
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478	SKAG	HGN	HE551478	REVISION	
CONWI_CONW	DR	CH	26263	C02	
LOCATION	TYPE	ROLE	NUMBER		

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**PROFILE**



PLAN

- NOTES**
1. THE DESIGN SHOWN WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT IN ACCORDANCE WITH THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010065/APP/3.1).
  2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WORK PLANS (TR010065/APP/2.3) AND SCHEDULE 1 (AUTHORISED DEVELOPMENT) OF THE DEVELOPMENT CONSENT ORDER (TR010065/APP/3.1).
  3. DO NOT SCALE FROM THIS DRAWING. USE ONLY PRINTED DIMENSIONS.
  4. ALL DIMENSIONS, CHAINAGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.

**PLAN VIEW KEY:**

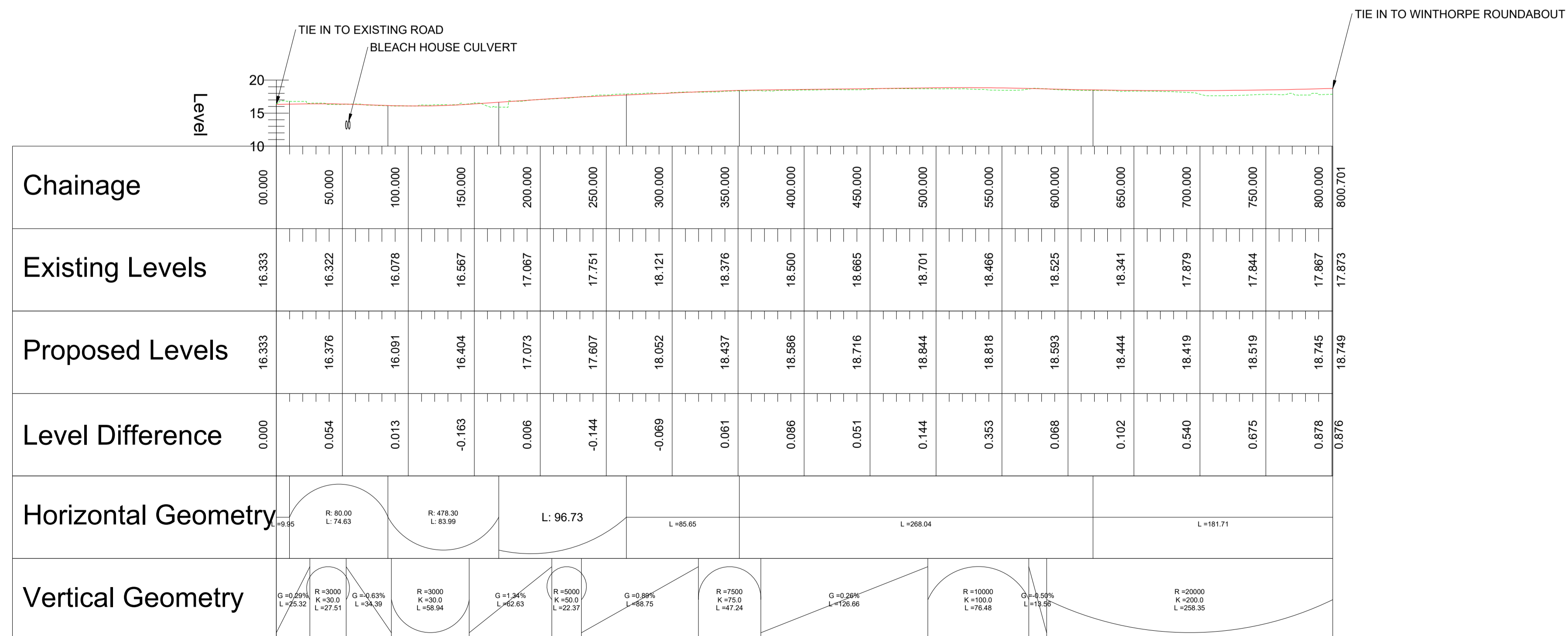
- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- XXXX NEW DESIGN CHAINAGE
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

**PROFILE VIEW KEY:**

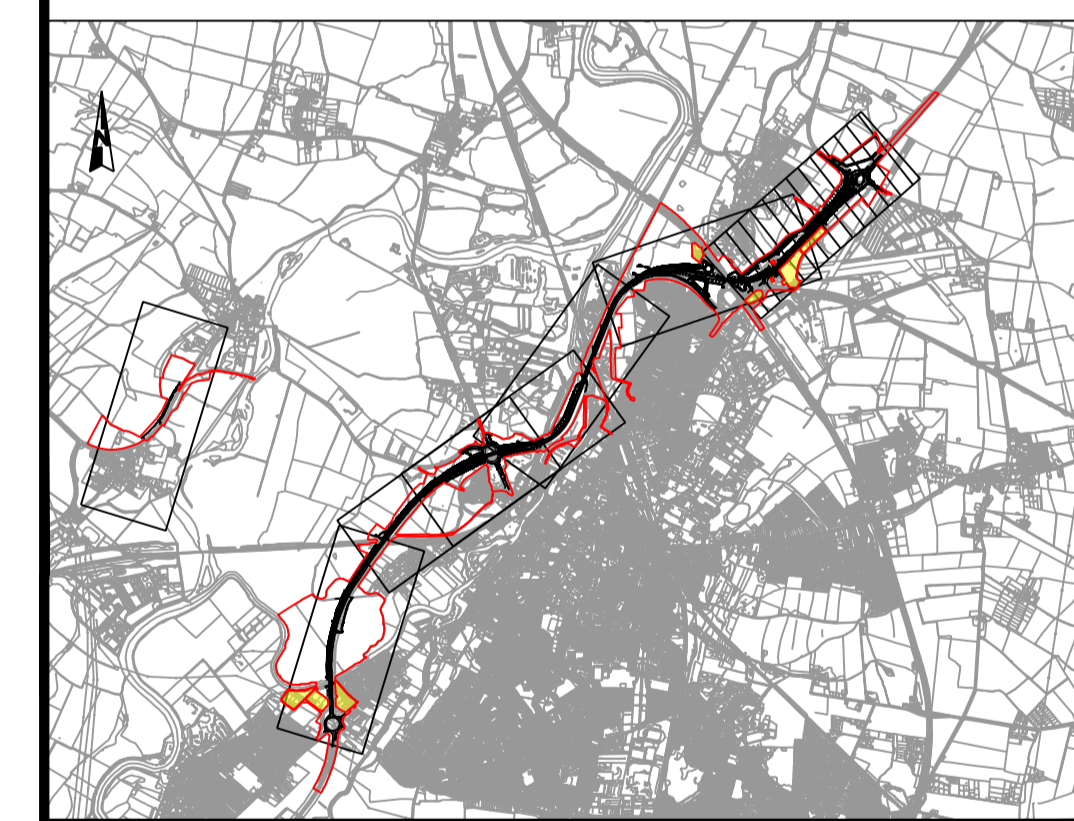
- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE

### S04\_ML\_FRIENDLY\_FARMER\_LINK\_NBSB

SCALE: H 1:2500, V 1:500. DATUM: 10.000



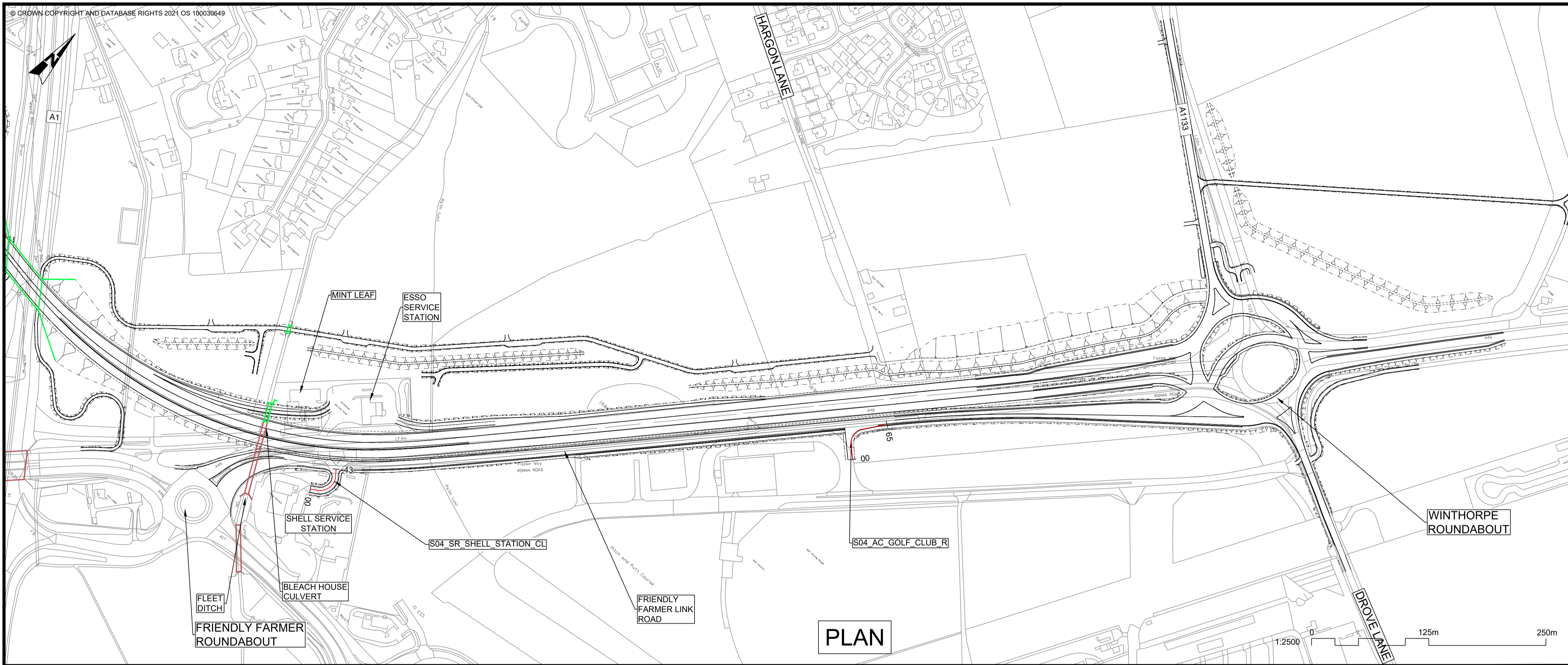
PROFILE



C02	11/03/24	Revised for DCO Submission	JK	SC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
CLIENT					
PURPOSE OF ISSUE					
DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER					
TR010065					
PROJECT TITLE					
A46 NEWARK BYPASS					
DRAWING TITLE					
ENGINEERING PLANS AND SECTIONS REGULATION 5(2)(o), 5(2)(P) and 6(2) PLAN AND PROFILES - SHEET 24 OF 37 FRIENDLY FARMER LINK					
ORIGINAL SIZE	A1	SCALE	1:2500		
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478	SKAG	HGN		HE551478	
CONWI_CONW	DR	CH	26270	REVISION	C02
LOCATION	TYPE	ROLE	NUMBER		

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- NOTES**
1. THE DESIGN SHOWN WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT IN ACCORDANCE WITH THE PROVISIONS OF THE DEVELOPMENT CONSENT ORDER (TR010065/APP/3.1).
  2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WORK PLANS (TR010065/APP/2.3) AND SCHEDULE 1 (AUTHORISED DEVELOPMENT) OF THE DEVELOPMENT CONSENT ORDER (TR010065/APP/3.1).
  3. DO NOT SCALE FROM THIS DRAWING, USE ONLY PRINTED DIMENSIONS.
  4. ALL DIMENSIONS, CHAINAGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.

**PLAN VIEW KEY:**

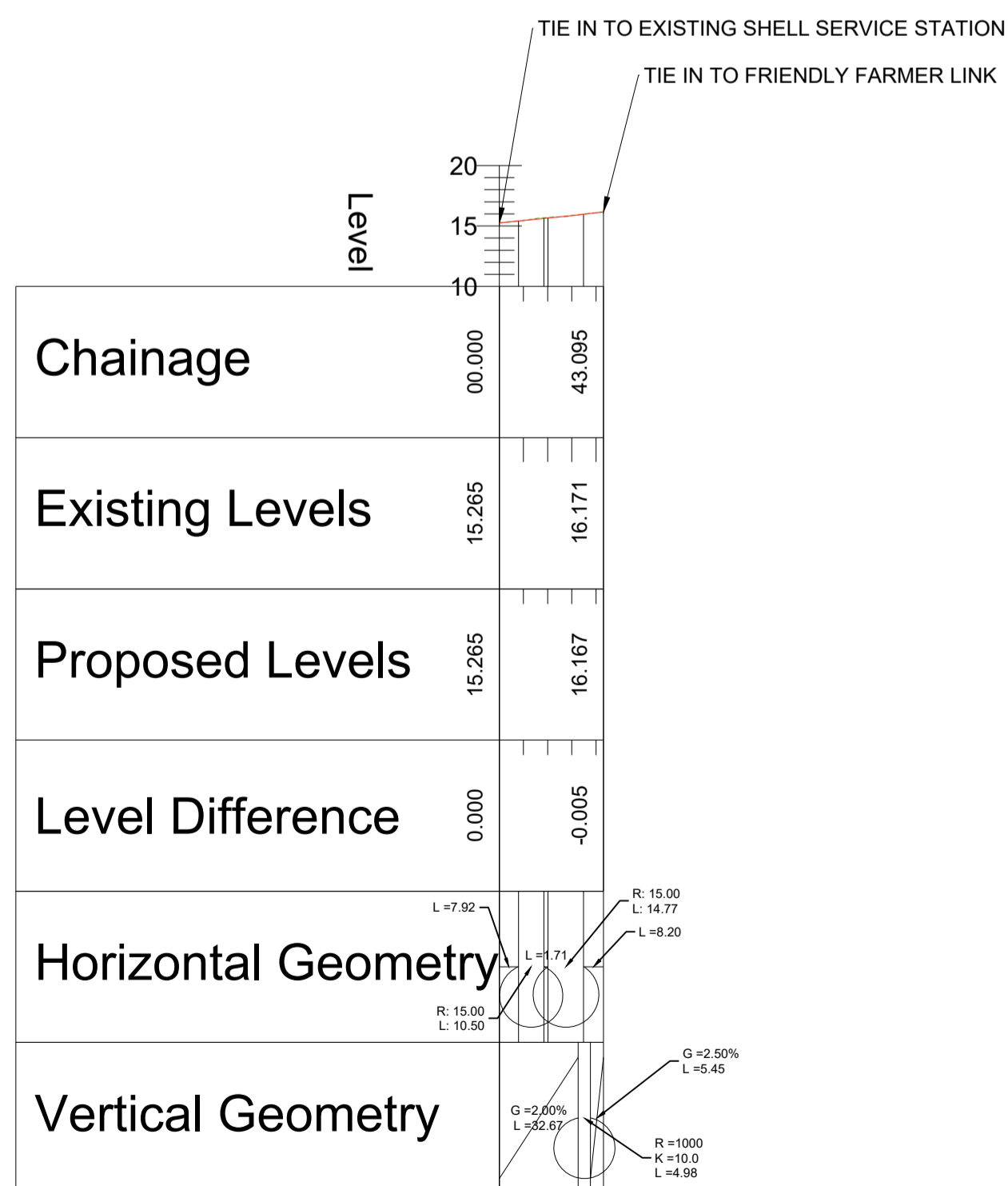
- EXISTING STRUCTURE
- NEW STRUCTURE
- NEW DESIGN
- NEW ALIGNMENT
- XXXX NEW DESIGN CHAINAGE
- NEW EMBANKMENT
- NEW CUTTING
- RIVER
- RAILWAY LINE

**PROFILE VIEW KEY:**

- EXISTING GROUND
- NEW ROAD LEVEL
- NEW STRUCTURE

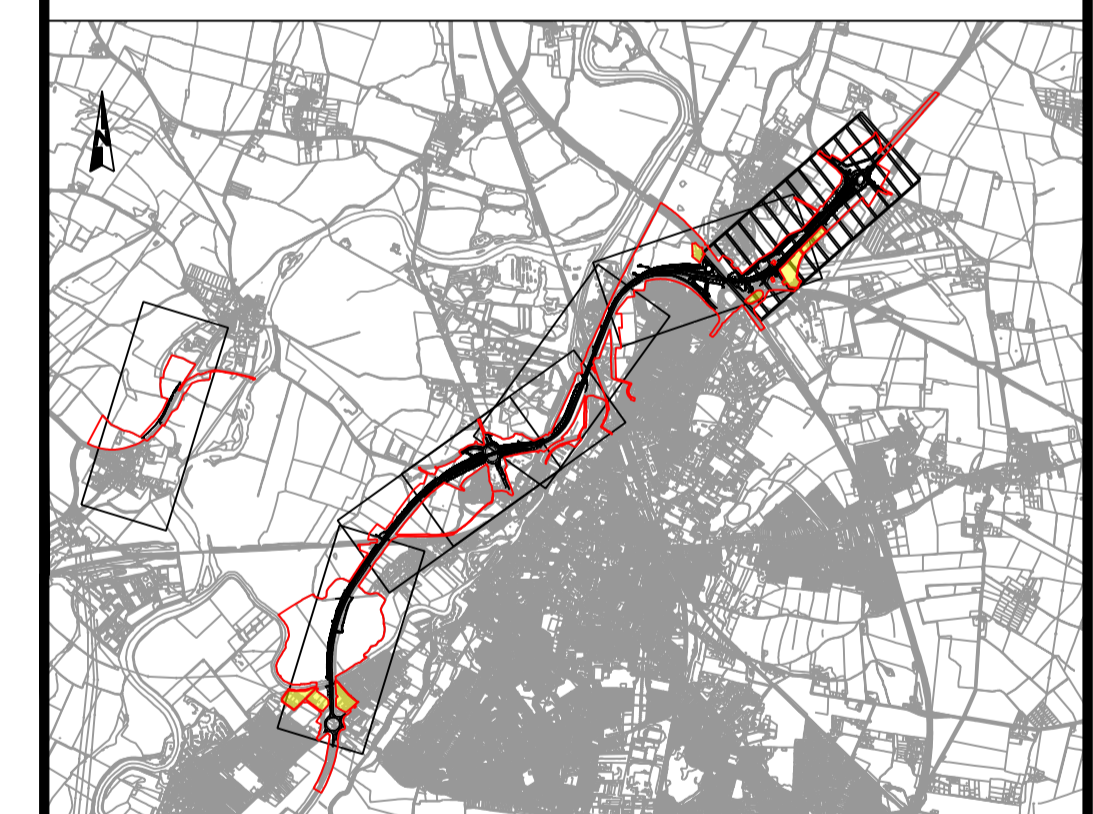
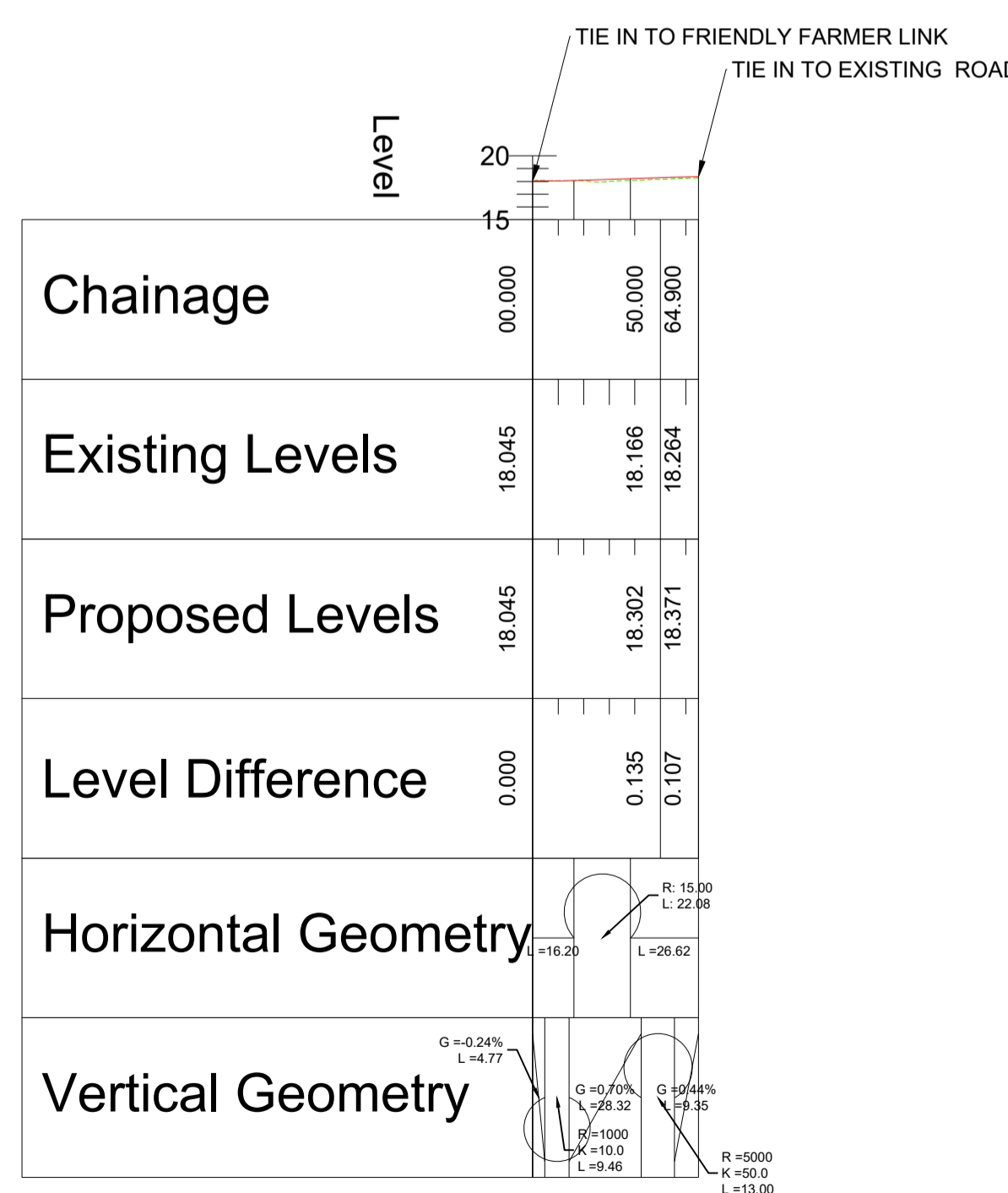
### S04\_SR\_SHELL\_STATION\_CL

SCALE: H 1:2500, V 1:500, DATUM: 10.000



### S04\_AC\_GOLF\_CLUB\_R

SCALE: H 1:2500, V 1:500, DATUM: 15.000



REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
C02	11/03/24	Revised for DCO Submission	JK	SC	HF

CLIENT

PURPOSE OF ISSUE  
 DCO APPLICATION

DEVELOPMENT CONSENT ORDER NUMBER  
 TR010065

PROJECT TITLE  
 A46 NEWARK BYPASS

DRAWING TITLE  
 ENGINEERING PLANS AND SECTIONS  
 REGULATION 5(2)(o), 5(2)(P) and 6(2)  
 PLAN AND PROFILES - SHEET 25 OF 37  
 FRIENDLY FARMER LINK

ORIGINAL SIZE A1 SCALE 1:2500

DRAWING NUMBER HE PIN HE551478	ORIGINATOR SKAG	VOLUME HGN	PROJECT REF NO. HE551478
LOCATION CONWI_CONW	TYPE DR	ROLE CH	REVISION C02
	NUMBER 26271		

### PROFILE

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