

A428 Black Cat to Caxton Gibbet improvements

TR010044

Volume 2

2.10 Engineering Section Drawings – Part 6

Planning Act 2008

Regulations 5(2)(o), 5(2)(p), 6(2)(a) and 6(2)(b)

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

26 February 2021

Infrastructure Planning

Planning Act 2008

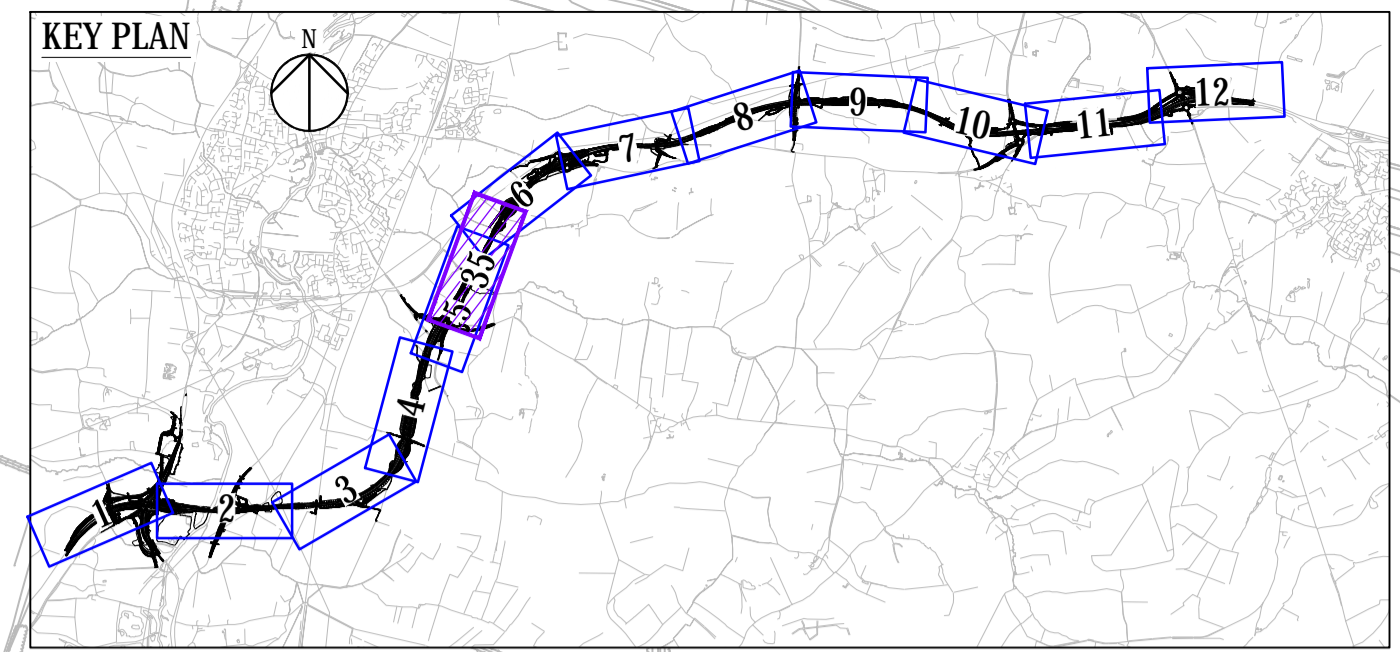
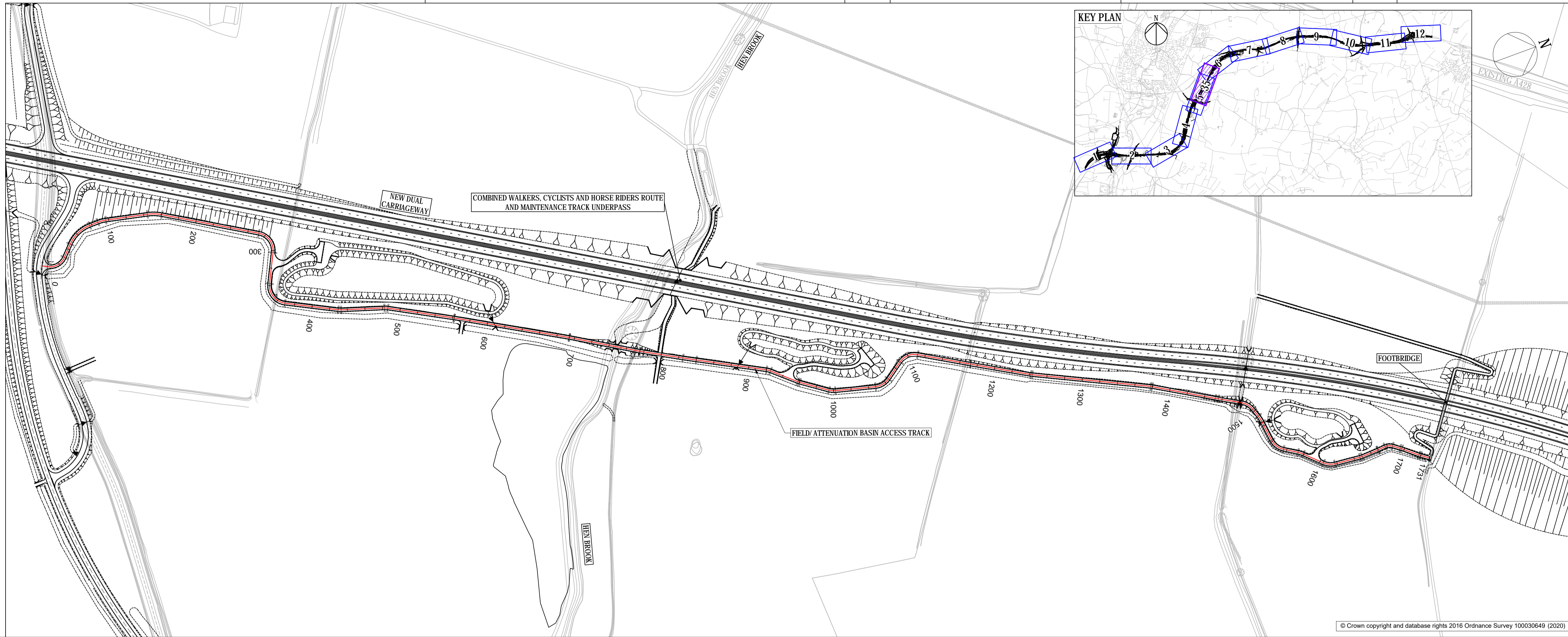
**The Infrastructure Planning
(Applications: Prescribed Forms and
Procedure) Regulations 2009**

**A428 Black Cat to Caxton Gibbet
improvements
Development Consent Order 202[]**

Engineering Section Drawings – Part 6

Regulation Reference:	Regulation 5(2)(o), 5(2)(p), 6(2)(a) and 6(2)(b)
Planning Inspectorate Scheme Reference	TR010044
Application Document Reference	TR010044/APP/2.10
Author	A428 Black Cat to Caxton Gibbet improvements Project Team, Highways England

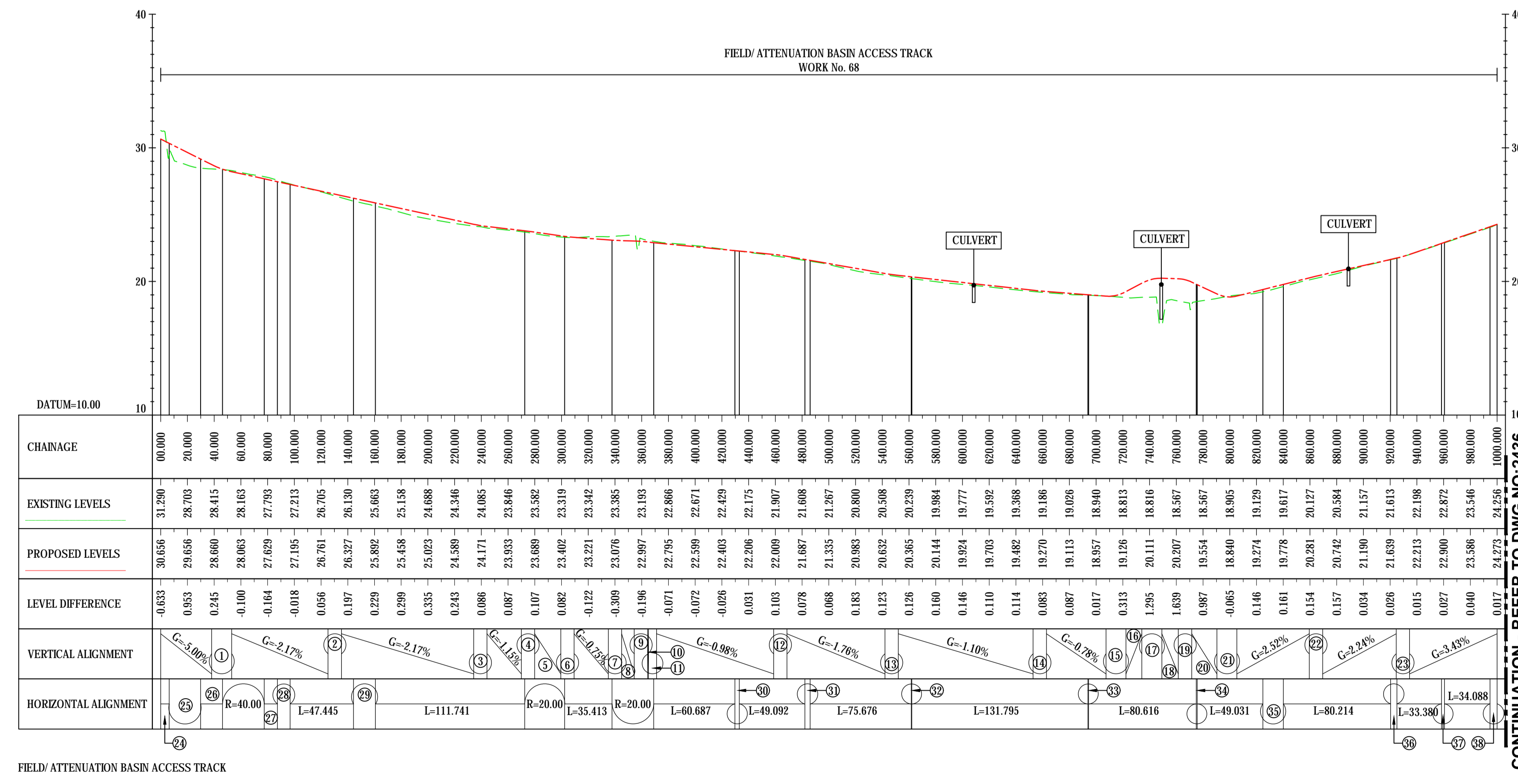
Version	Date	Status of Version
Rev 1	26 February 2021	DCO Application



- NOTES**
- DO NOT SCALE FROM THIS DRAWING. USE ONLY PRINTED DIMENSIONS.
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- KEY**
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT

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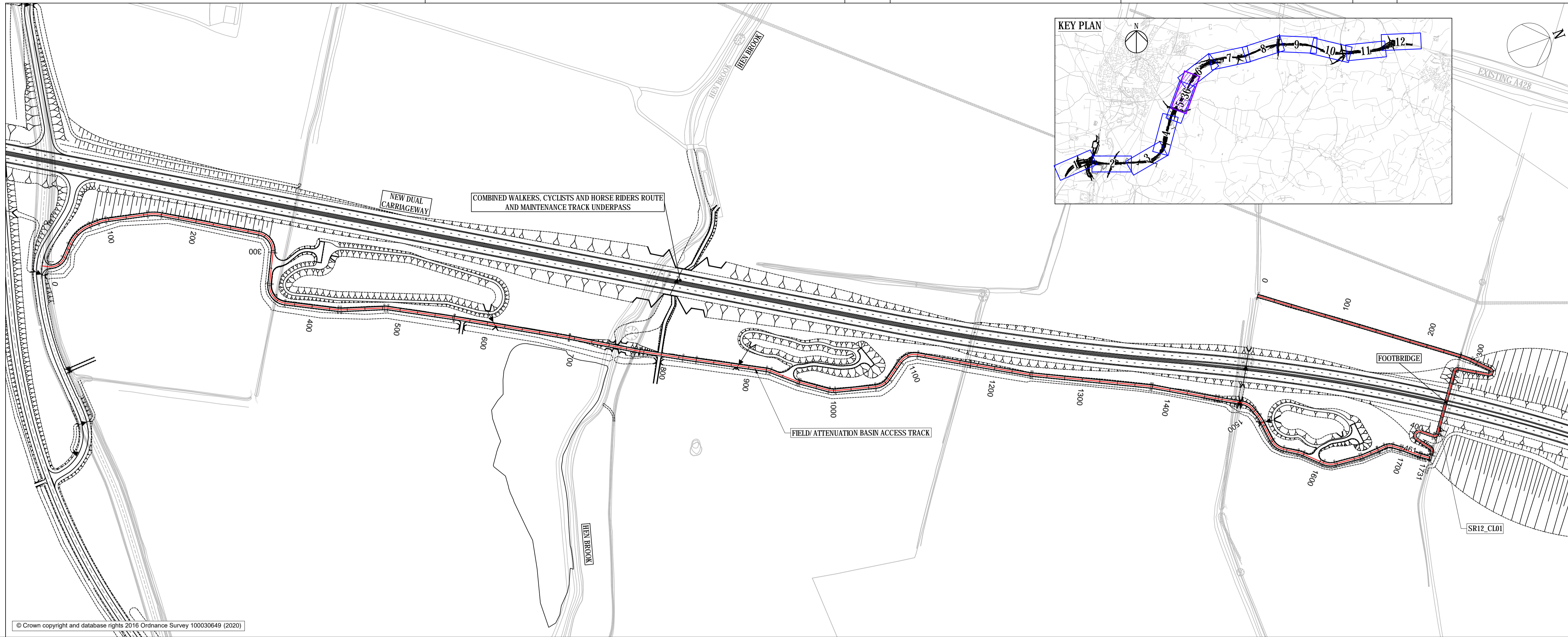


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LONGSECTION (PART 1 OF 2)
SCALE: H 1:2500, V 1:250

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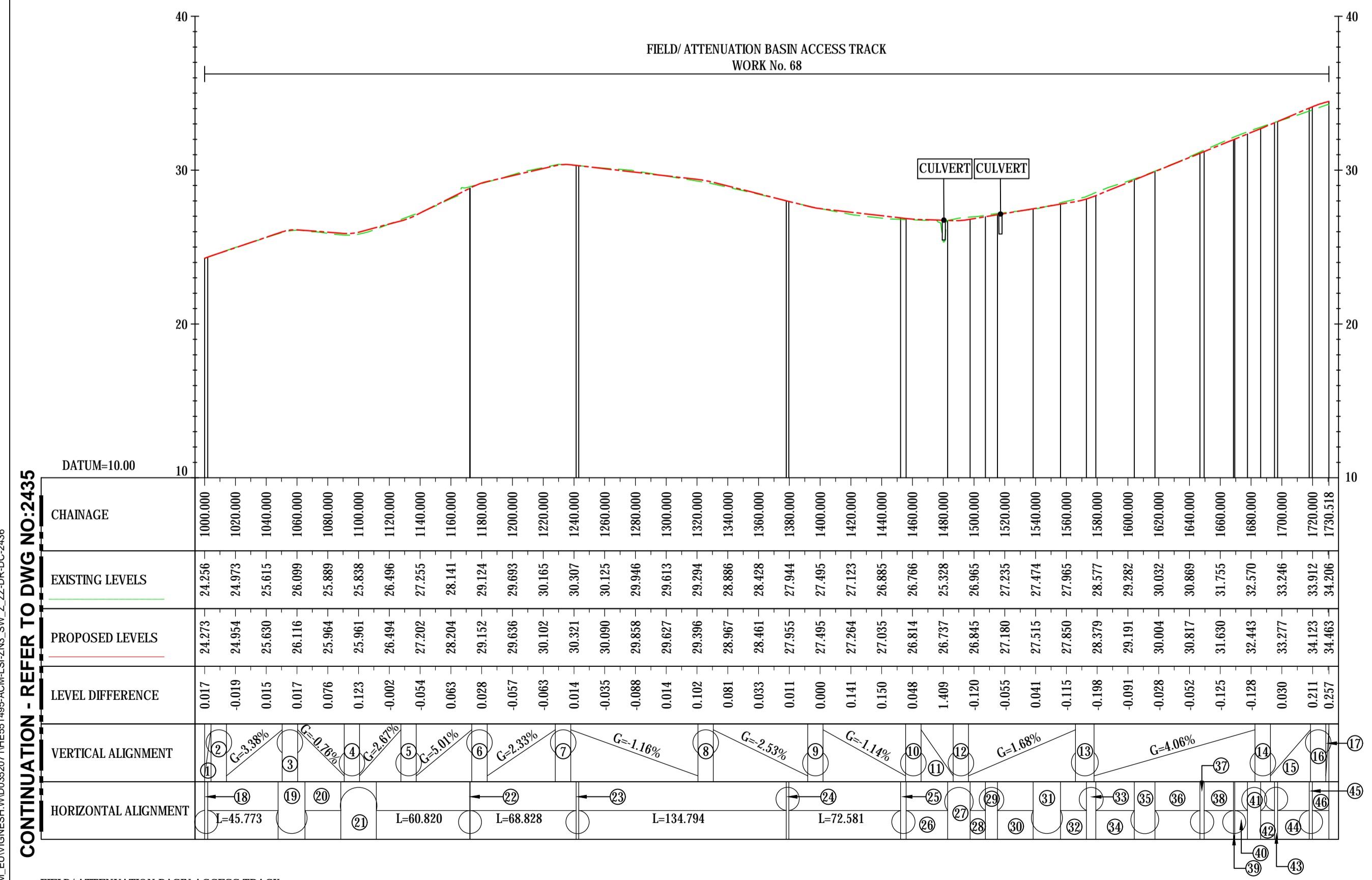
Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix
Purpose of Issue				
DCO APPLICATION				
Client		Working on behalf of		
Highways England				
Woodlands Manton Lane Manton Industrial Estate Bedford MK41 7LW				
Development Consent Order Number				
TR01044				
Project Title				
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS				
Drawing Title				
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 35				
Designed	Drawn	Checked	Approved	Date
GH	WV	JMW	TD	03/02/21
Internal Project No.		Subsidiary		
60541541		D7		
Scale @ A1		Zone		
1:2500		ZN2		
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Drawing Number	Highways England PIN	1 Originator	1 Volume	Rev
HE551495	-ACM	-LSI	-	P04
Location		1 Type	1 Role	1 Number
ZN2_SW_Z_ZZ		-DR	-DC	2435



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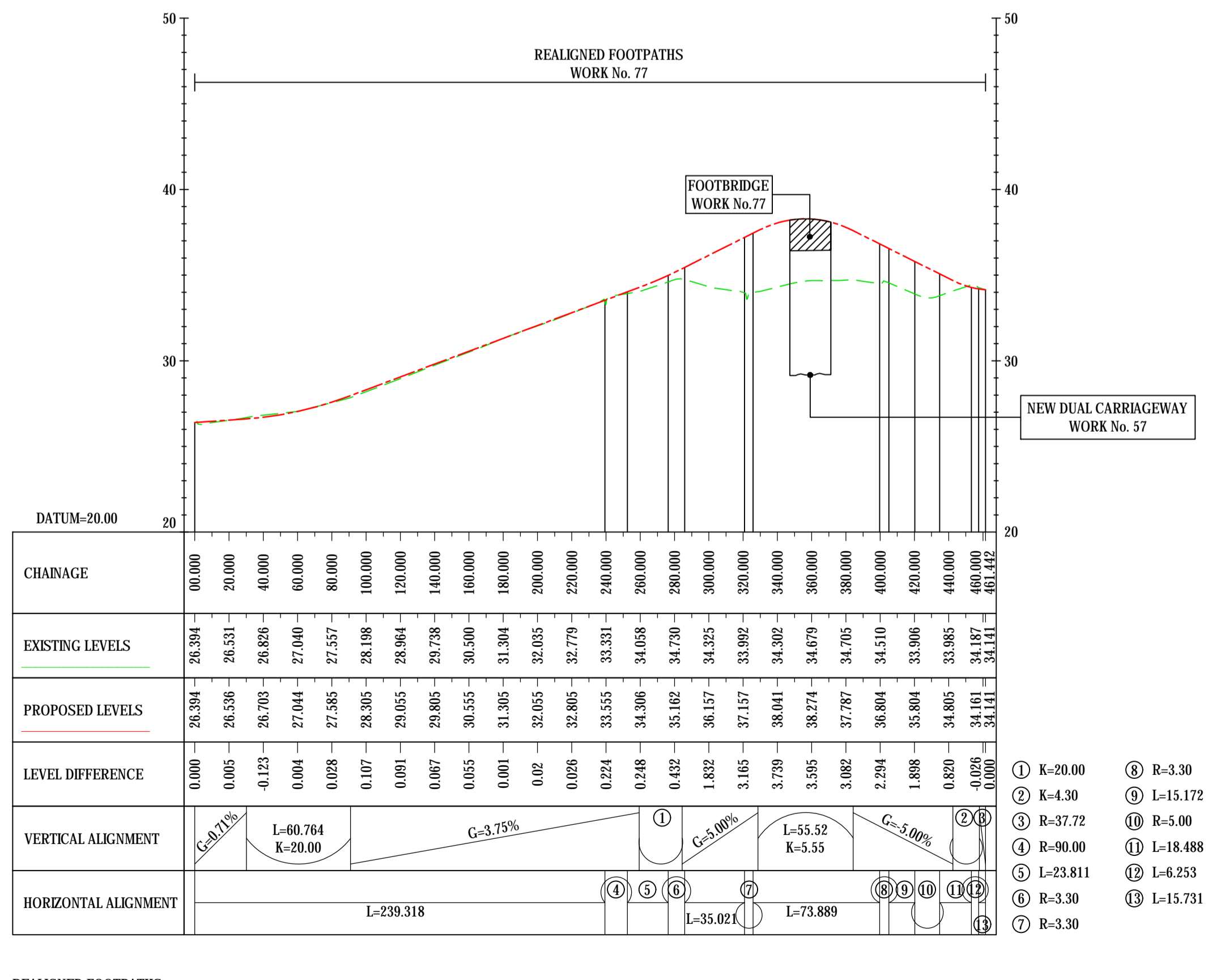
- KEY**
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT

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FIELD ATTENUATION BASIN ACCESS TRACK
LONGSECTION (PART 2 OF 2)
SCALE: H 1:2500, V 1:250

- 1 G=3.43%
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- 4 K=2.92
- 5 K=4.26
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- 40 L=20.632
- 41 R=30.00
- 42 L=10.716



REALIGNED FOOTPATHS
ALIGNMENT STRING NAME: SR12_CL01
LONGSECTION
SCALE: H 1:2500, V 1:250

Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix

DCO APPLICATION

Client: Highways England
Woodlands, Manton Lane, Manton Industrial Estate, Bedford, MK41 7LW

Development Consent Order Number: TR01044

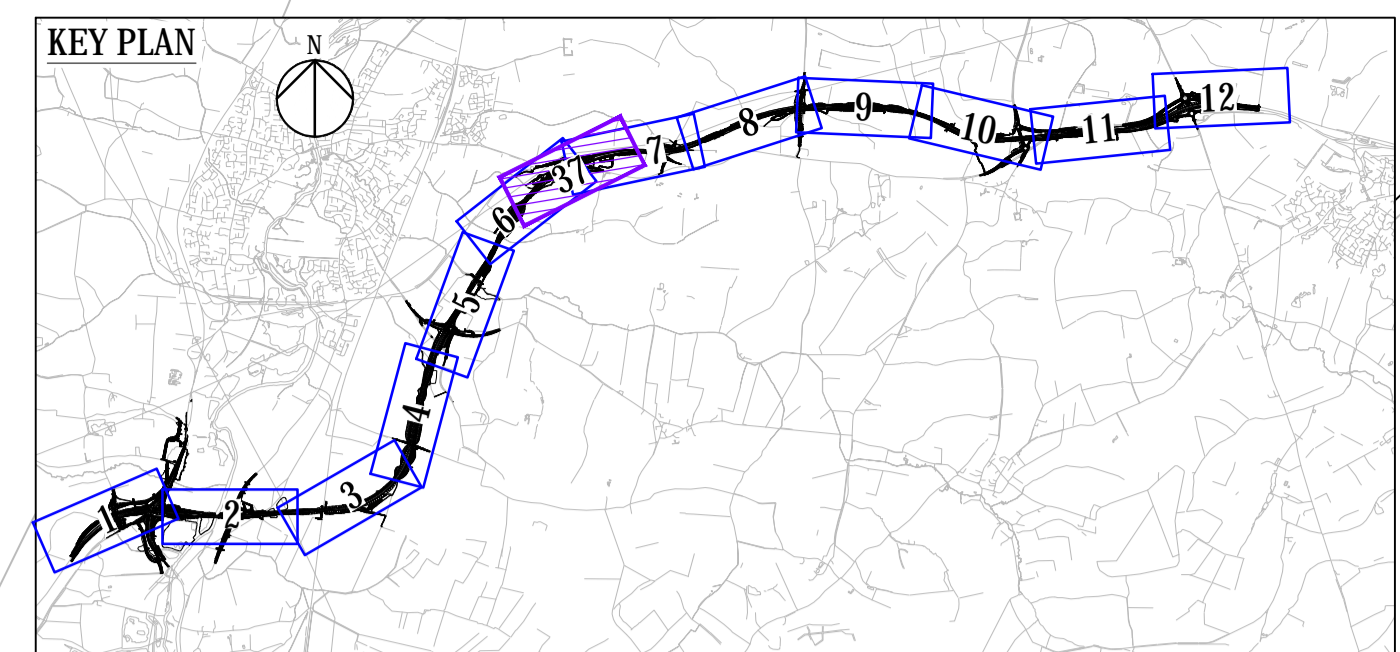
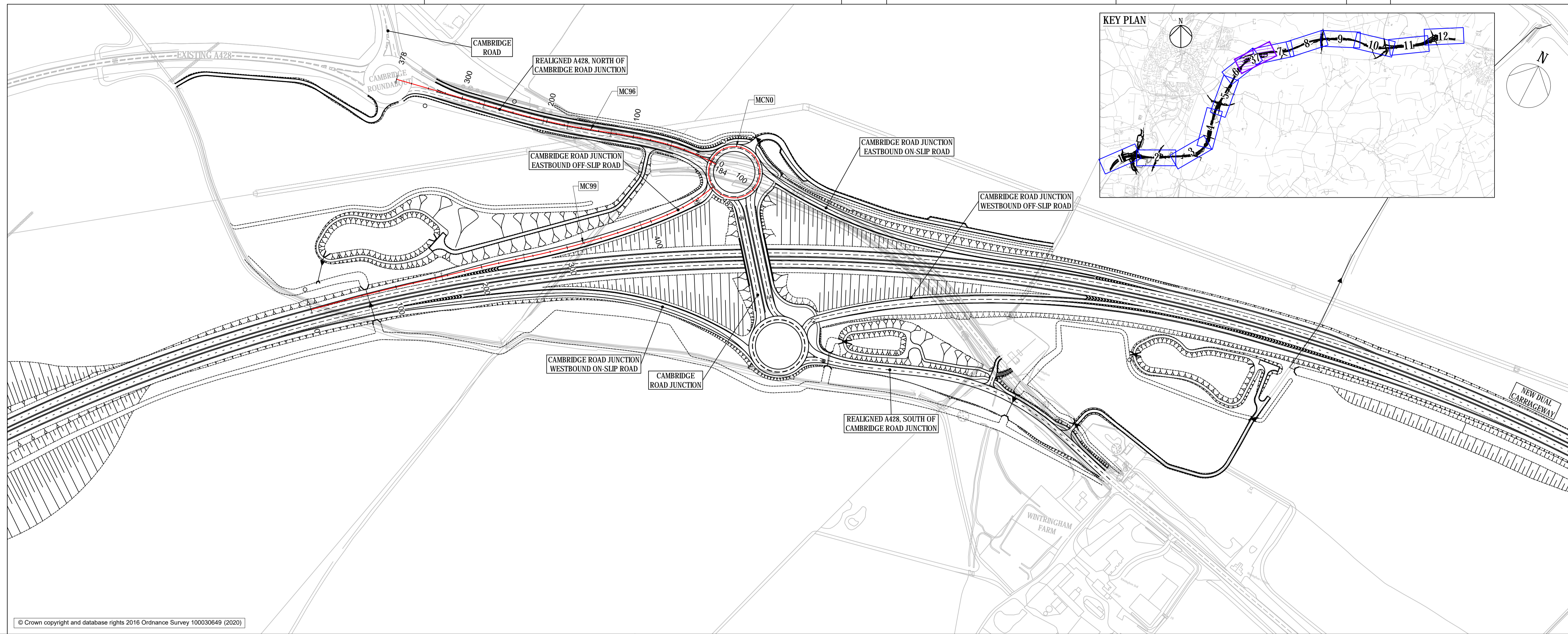
Project Title: A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title: ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 36

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Suitability D7	Zone ZN3		
Scale @ A1 1:2500				

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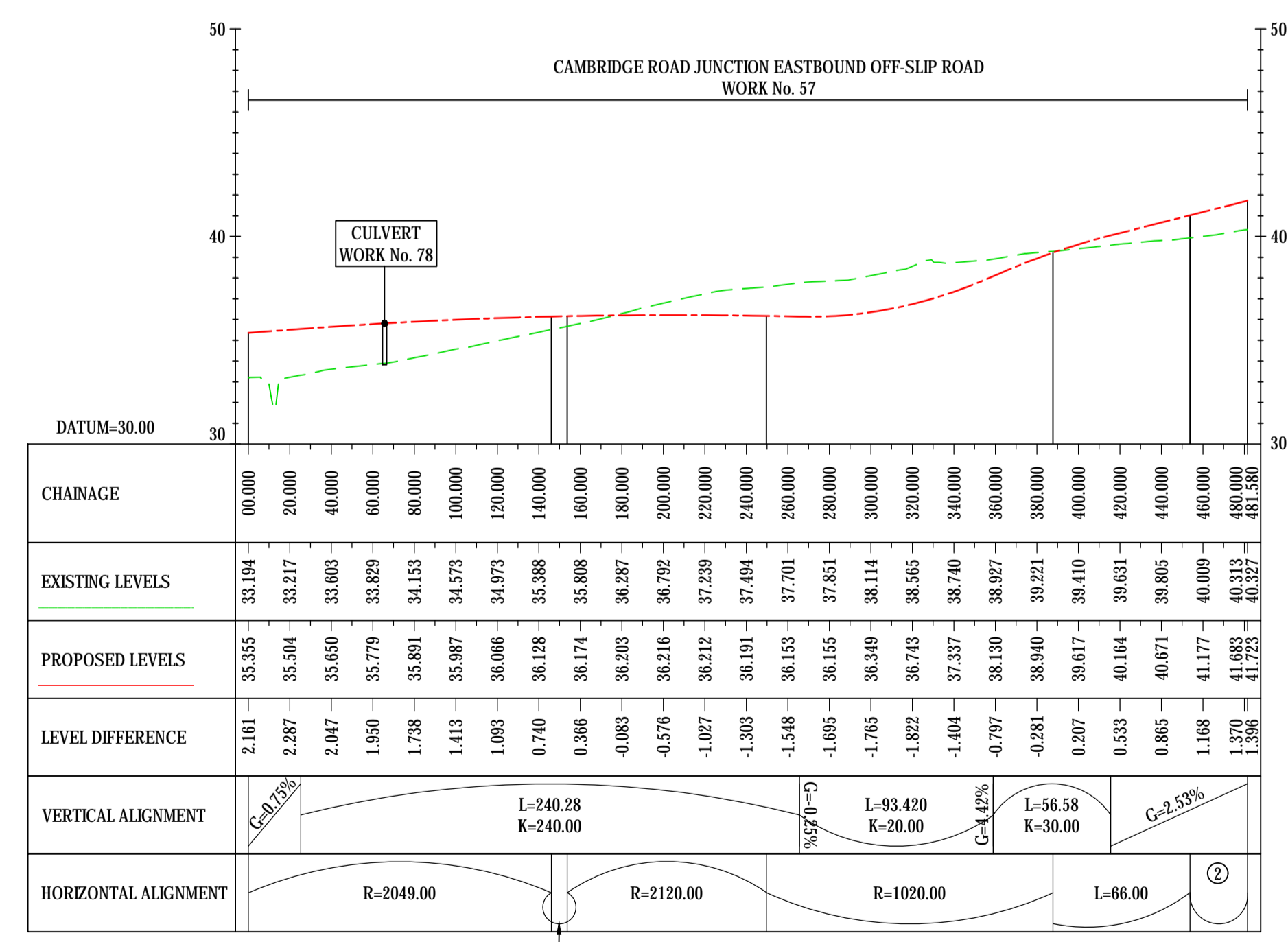
Drawing Number: HE551495 - ACM - LSI - P04
Location: ZN3_SW_Z_ZZ - DR - DC - 2436
I Type: 1 Role: 1 Number



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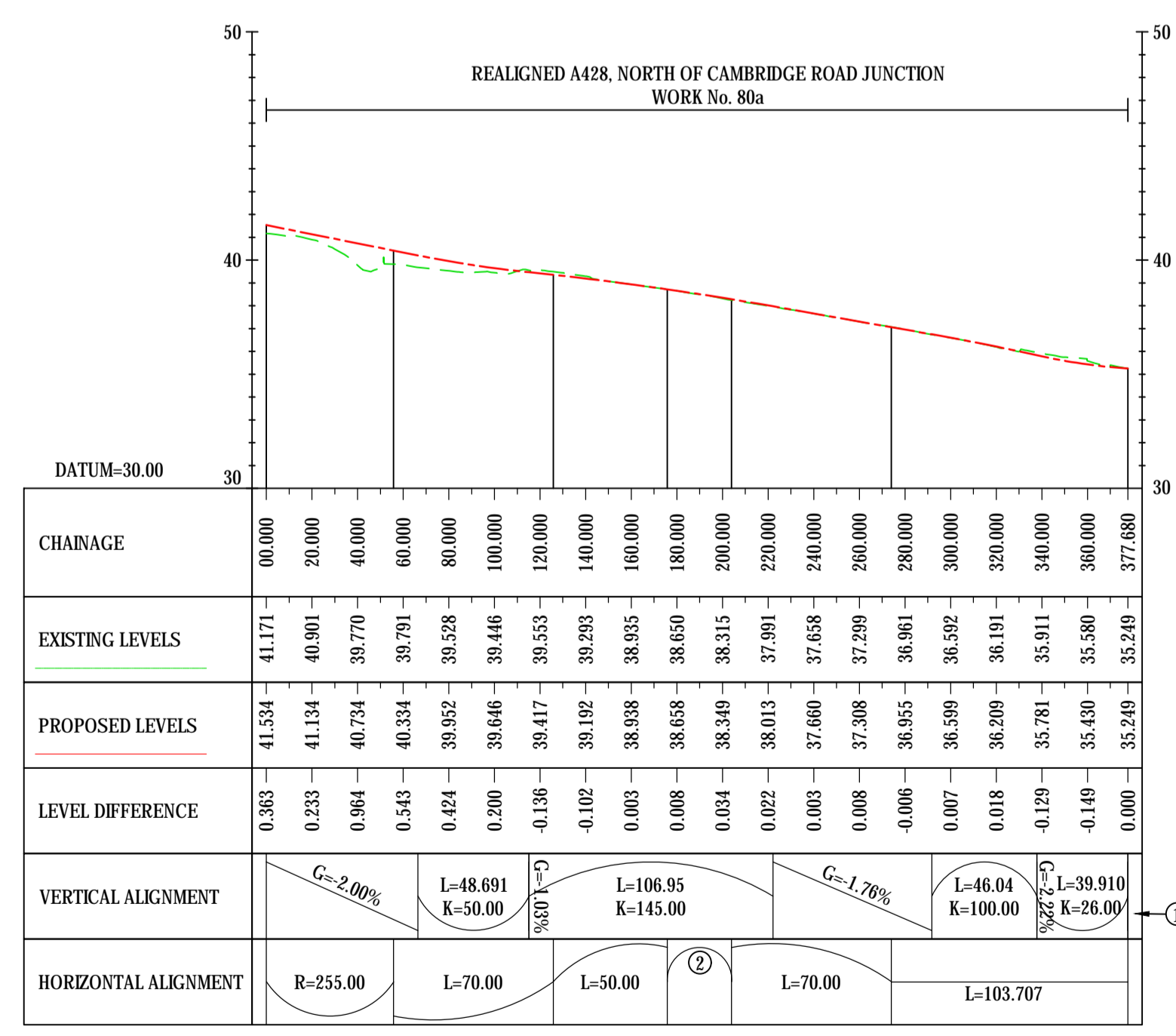
- KEY
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT

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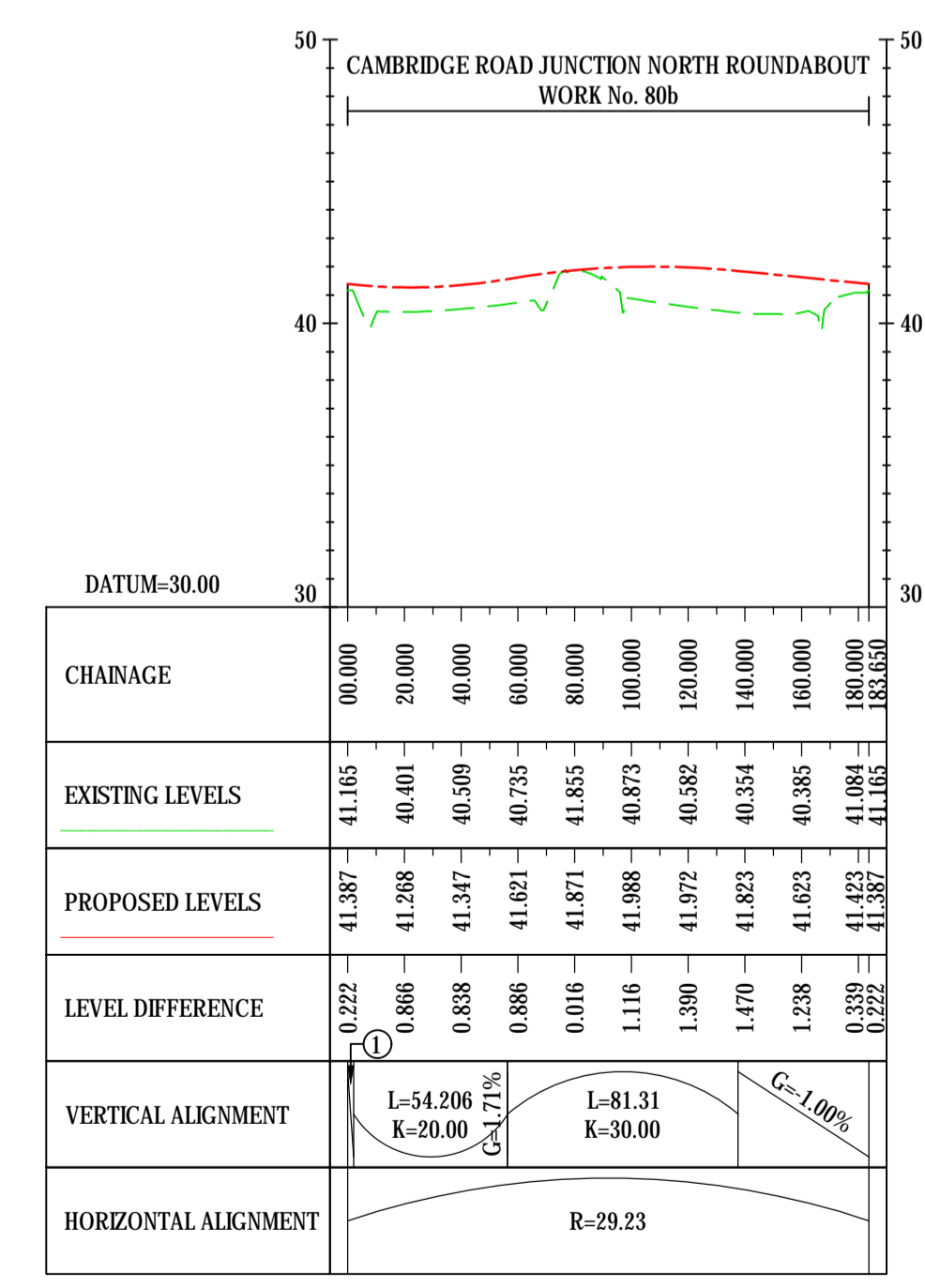
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ALIGNMENT STRING NAME: MC99

LONGSECTION
SCALE: H 1:2500, V 1:250



REALIGNED A428, NORTH OF CAMBRIDGE ROAD JUNCTION
ALIGNMENT STRING NAME: MC96

LONGSECTION
SCALE: H 1:2500, V 1:250



CAMBRIDGE ROAD JUNCTION NORTH ROUNDABOUT
ALIGNMENT STRING NAME: MCN0

LONGSECTION
SCALE: H 1:2500, V 1:250

Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix

DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Working on behalf of
highways england

Development Consent Order Number
TR01044

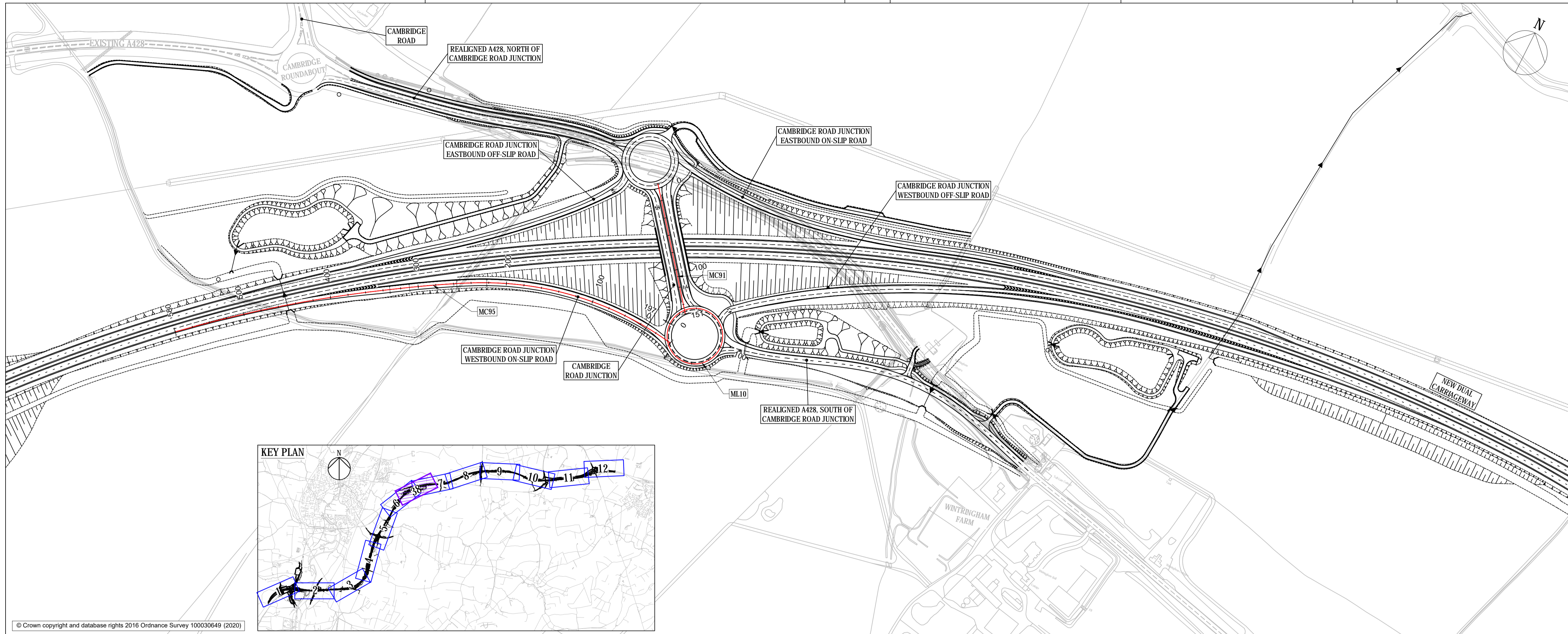
Project Title
**A428 BLACK CAT TO
CAXTON GIBBET
IMPROVEMENTS**

Drawing Title
**ENGINEERING SECTIONS
(PLAN AND PROFILES)
REGULATION 5(2)(O) & 6(2)
SHEET 37**

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Subsidiary D7			Zone ZN3
Scale @ A1 1:2500	THIS DOCUMENT HAS BEEN PREPARED PURSUANT TO AND SUBJECT TO THE TERMS OF AECOM'S APPOINTMENT BY ITS CLIENT. AECOM ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN BY ITS ORIGINAL CLIENT OR FOLLOWING AECOM'S EXPRESS AGREEMENT TO SUCH USE, AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND PROVIDED.			

Drawing Number HE551495 - ACM - LSI - ZN3_SW_Z_ZZ	1 Originator DR - DC-2437	1 Volume P04	Rev
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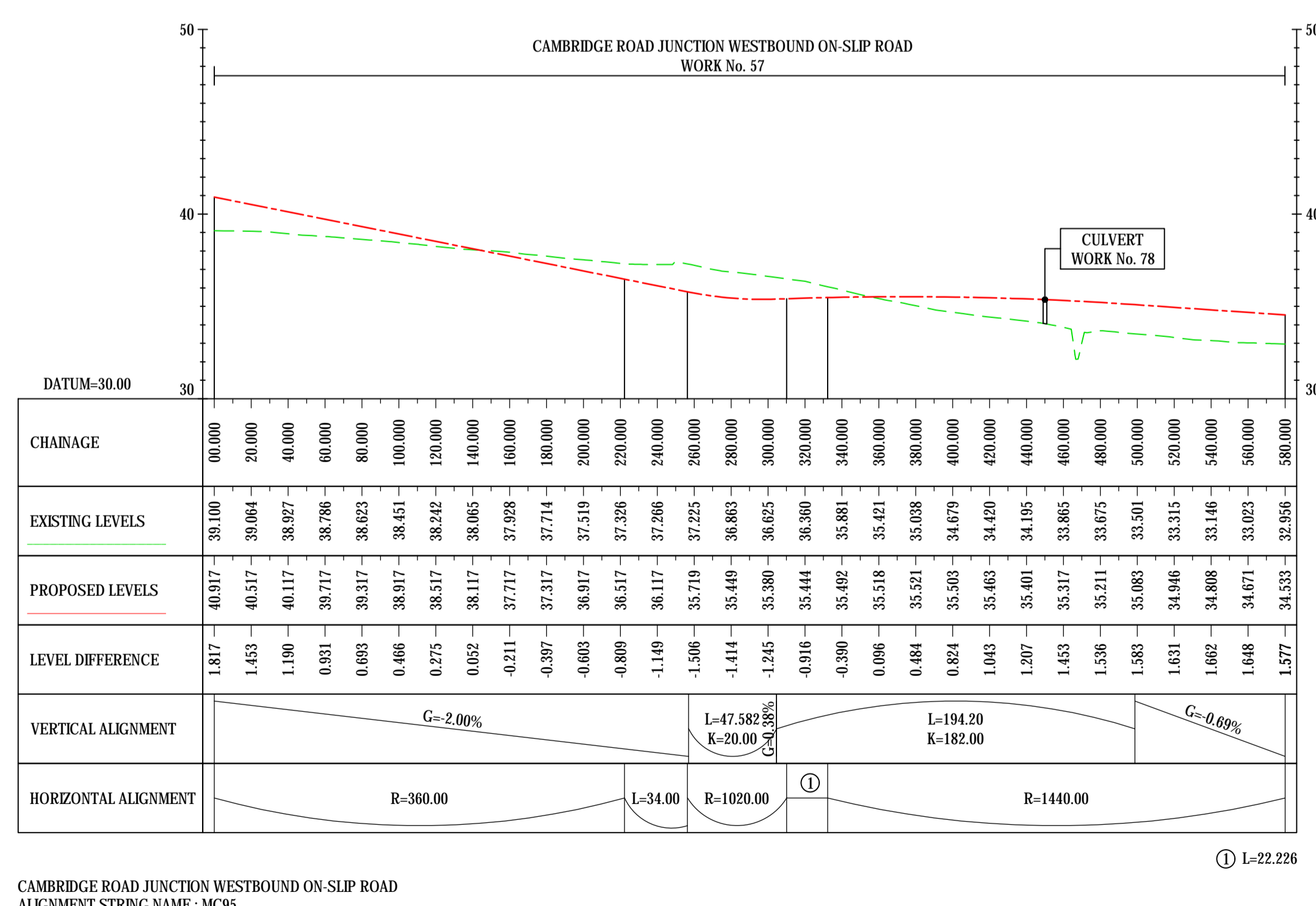
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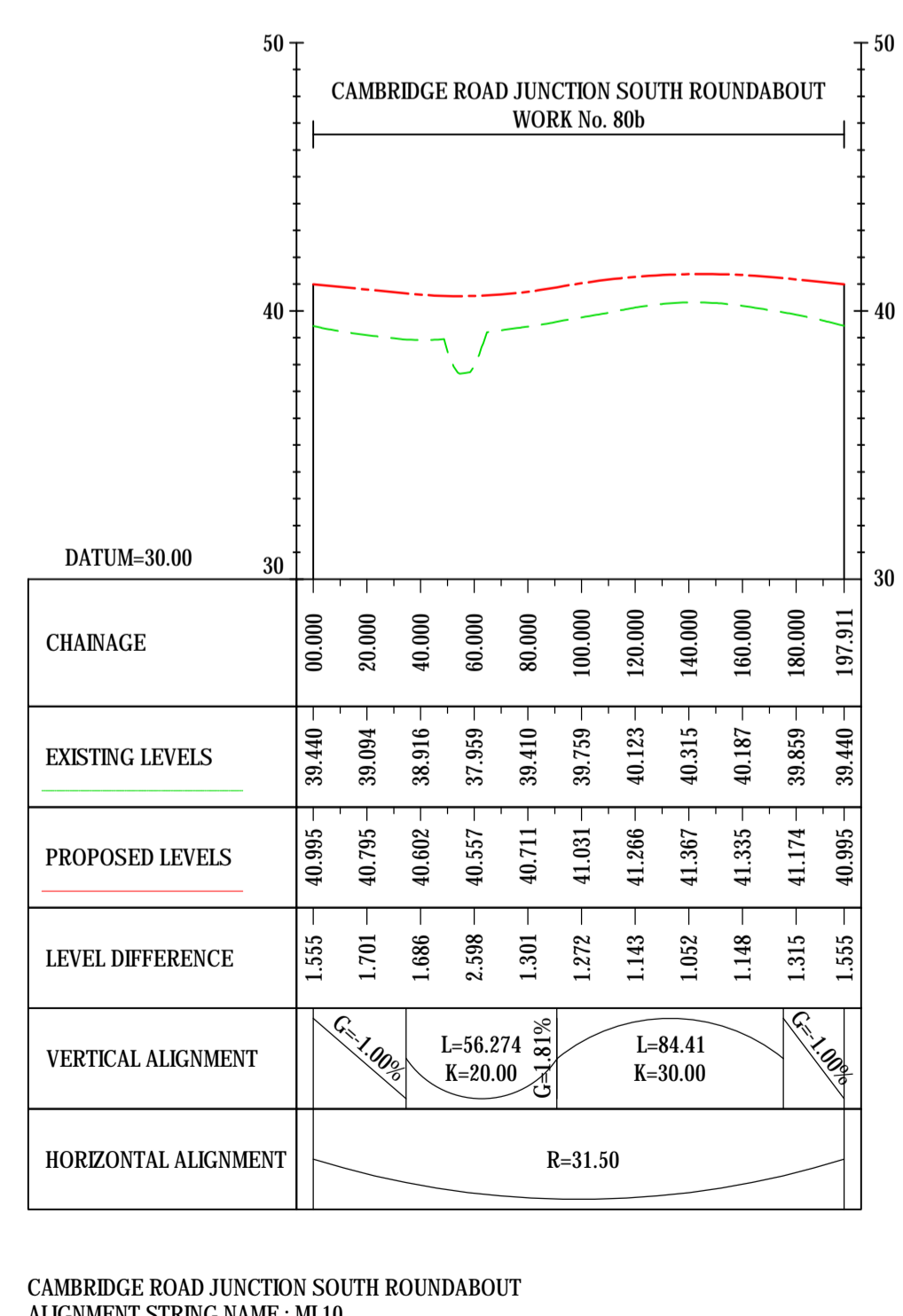
- KEY**
- CENTRELINE OF NEW ROAD
 - - - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - - - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT

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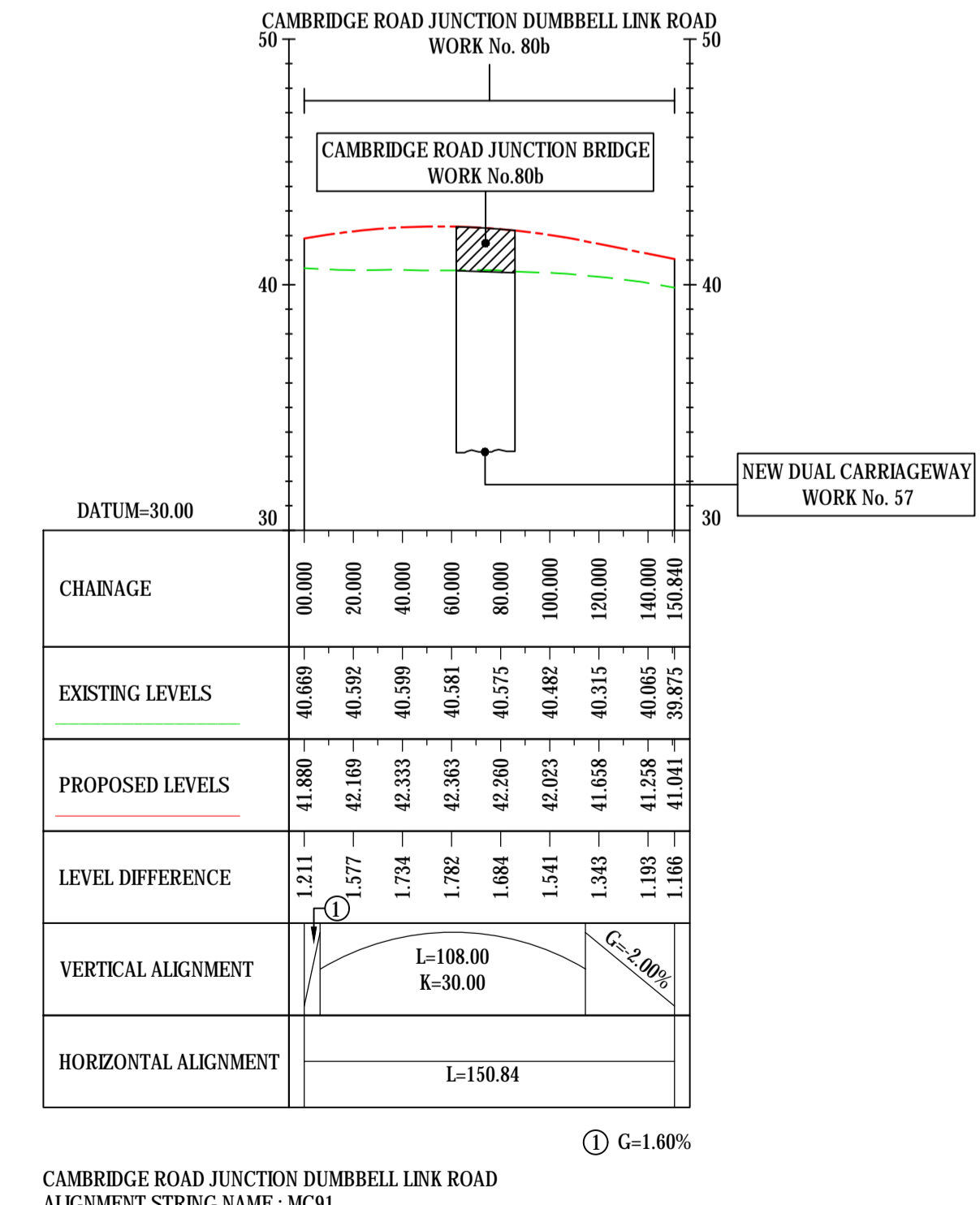
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ALIGNMENT STRING NAME: MC95

LONGSECTION
SCALE: H 1:2500, V 1:250



CAMBRIDGE ROAD JUNCTION SOUTH ROUNDABOUT
ALIGNMENT STRING NAME: ML10

LONGSECTION
SCALE: H 1:2500, V 1:250



CAMBRIDGE ROAD JUNCTION DUMBBELL LINK ROAD
ALIGNMENT STRING NAME: MC91

LONGSECTION
SCALE: H 1:2500, V 1:250

Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix

DCO APPLICATION

Client: Highways England
Woodlands, Manton Lane, Manton Industrial Estate, Bedford, MK41 7LW

Development Consent Order Number: **TR010044**

Project Title: **A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS**

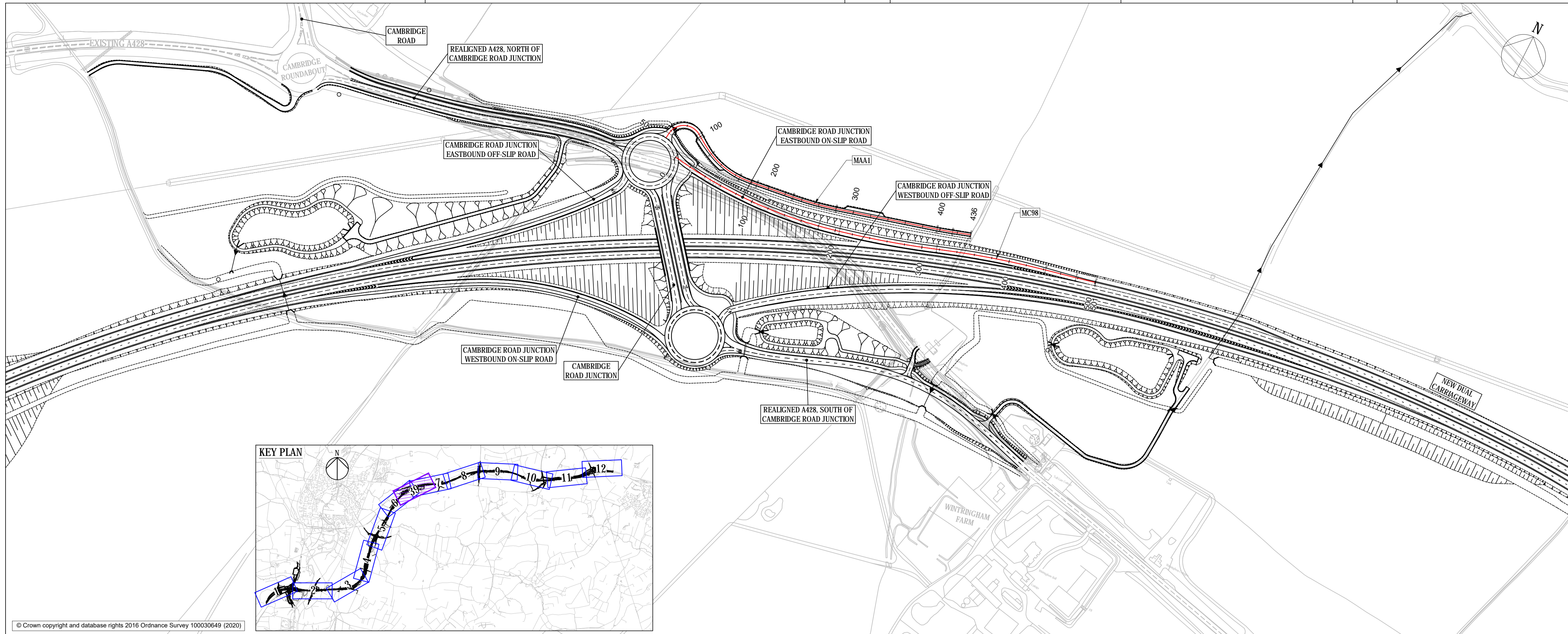
Drawing Title: **ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 38**

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Internal Project No: 60541541	Subsidiary: D7	Scale: A1 1:2500		
Zone: ZN3		Date: 03/02/21		

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Highways England PIN: HE551495	Originator: -ACM-	Volume: -LSI-	Rev: P04
Location: ZN3_SW_Z_ZZ	Role: -DR-	Number: -DC-2438	

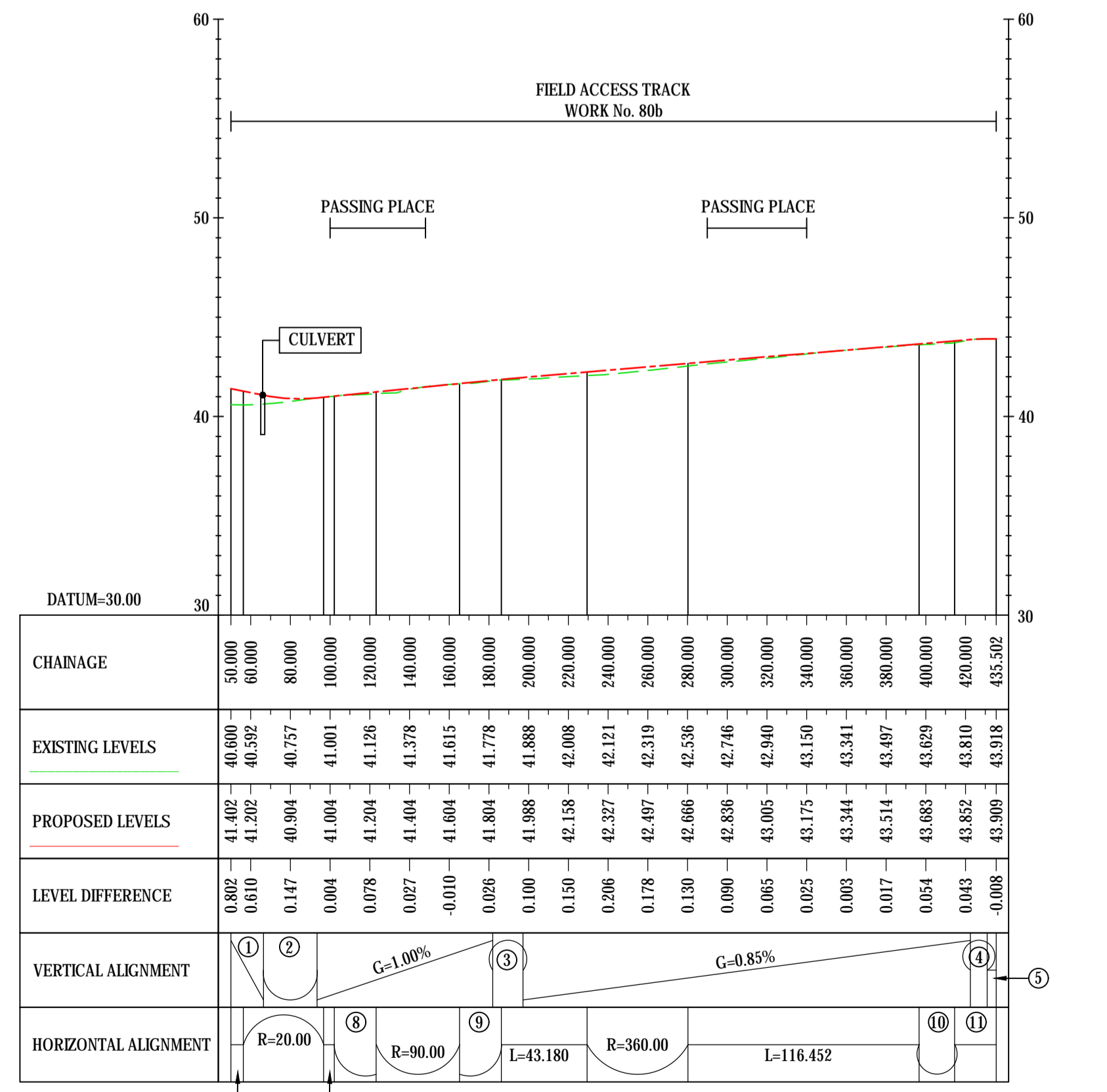
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 Plot Name: C:\P\0100\WORKING\DCO\LSI\W\HE551495-ACM-LSI-ZN3_SW_Z_ZZ-DR-DC-2438



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- KEY**
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT

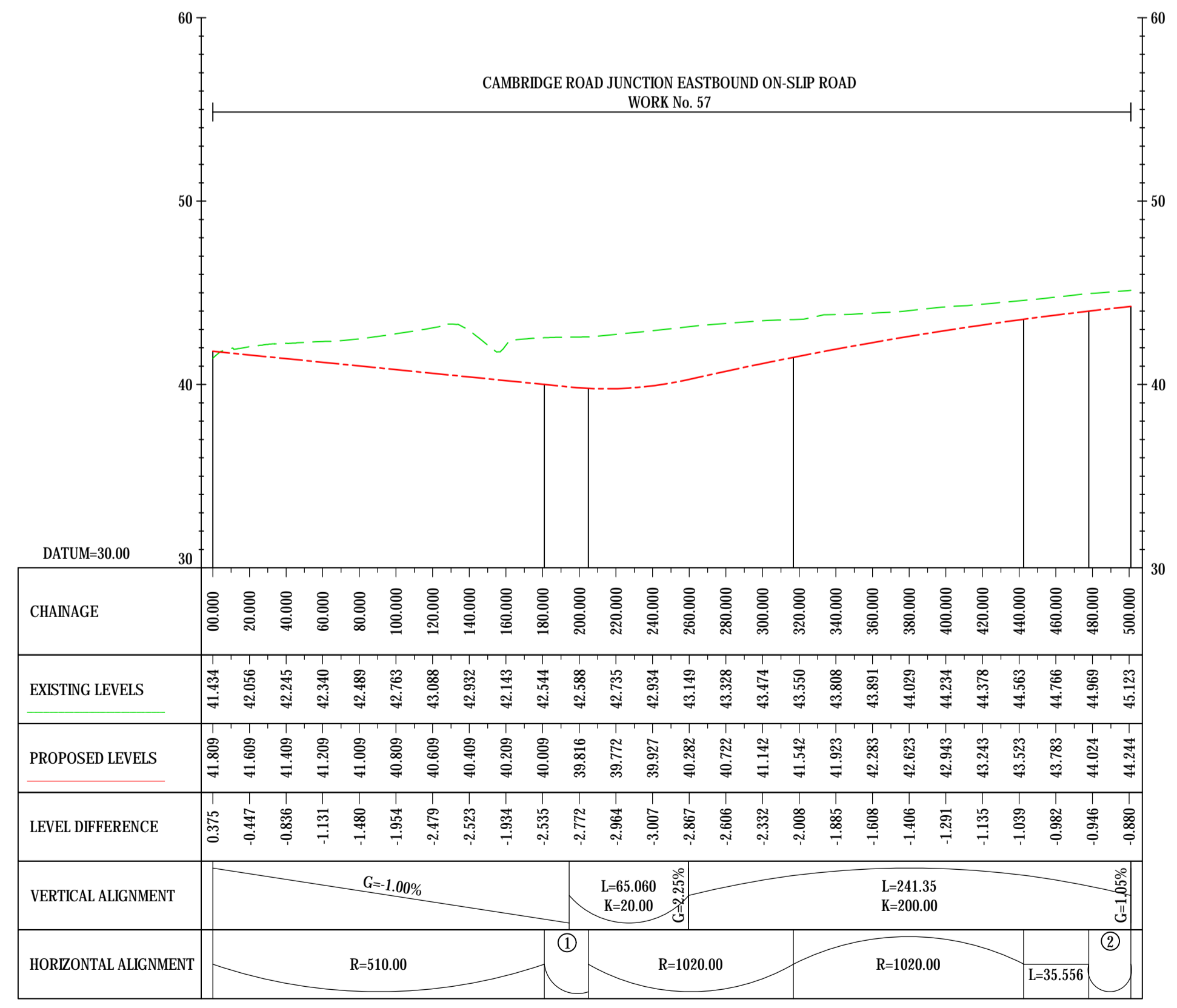
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FIELD ACCESS TRACK
ALIGNMENT STRING NAME: MA1

LONGSECTION
SCALE: H 1:2500, V 1:250

① G=-2.00% ⑤ G=0.00% ⑨ L=21.10
 ② K=9.00 ⑥ L=6.313 ⑩ R=360.00
 ③ K=100.00 ⑦ L=5.341 ⑪ L=20.975
 ④ K=10.00 ⑧ L=21.10



CAMBRIDGE ROAD JUNCTION EASTBOUND ON-SLIP ROAD
ALIGNMENT STRING NAME: MC98

LONGSECTION
SCALE: H 1:2500, V 1:250

① L=24.00 ② R=1000.00

Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix

Purpose of Issue
DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Development Consent Order Number
TR01044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

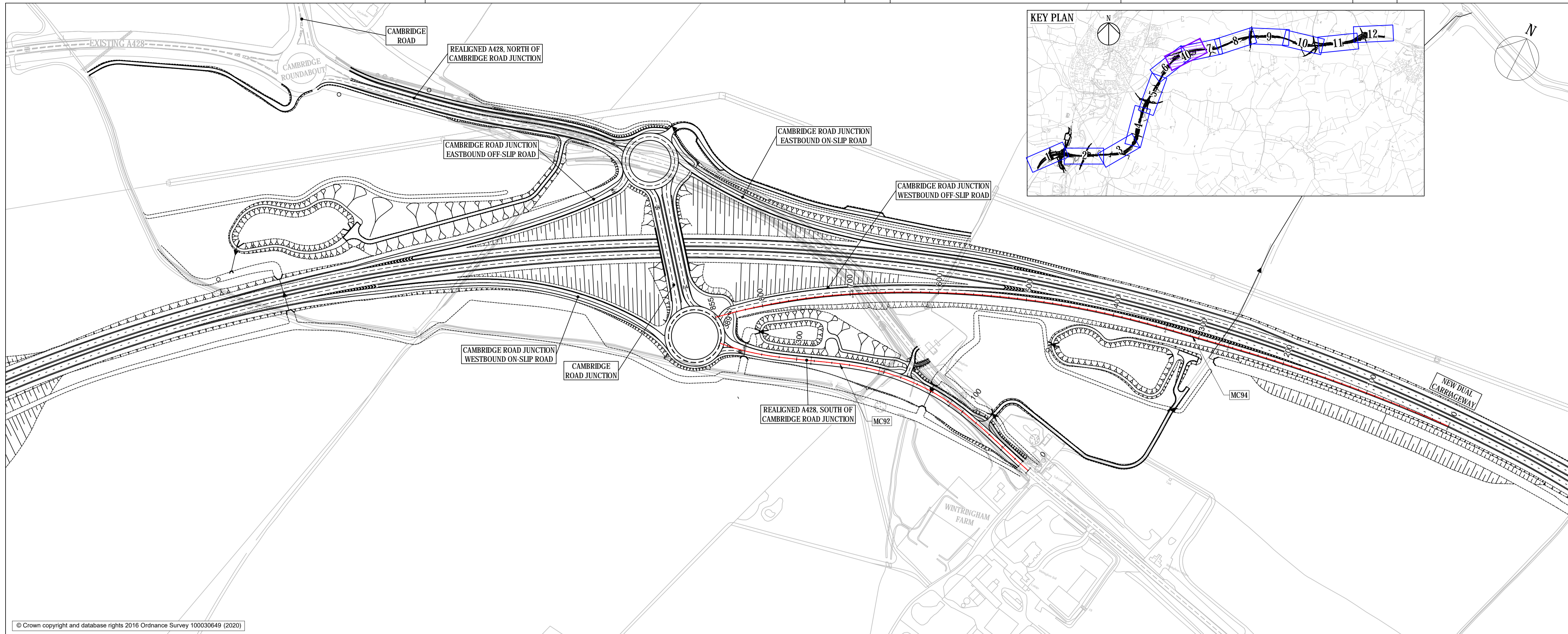
Drawing Title
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 39

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Suitability D7			
Scale @ A1 1:2500	Zone ZN3			

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Drawing Number HE551495 -ACM -LSI -	Highways England PIN ZN3_SW_Z_ZZ -DR -DC-2439	Location I Type 1 Role 1 Number	Rev P04
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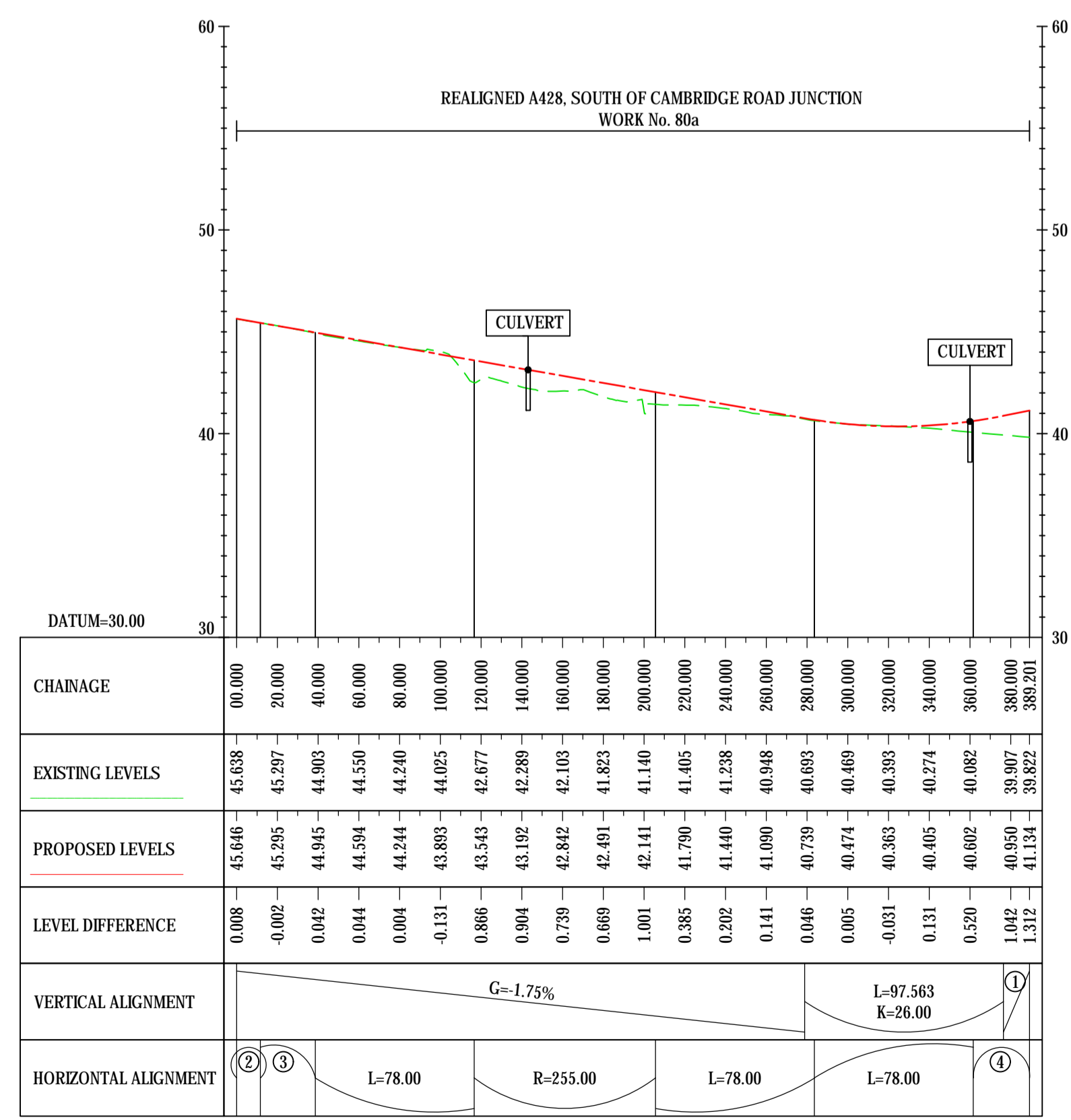
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- KEY**
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT

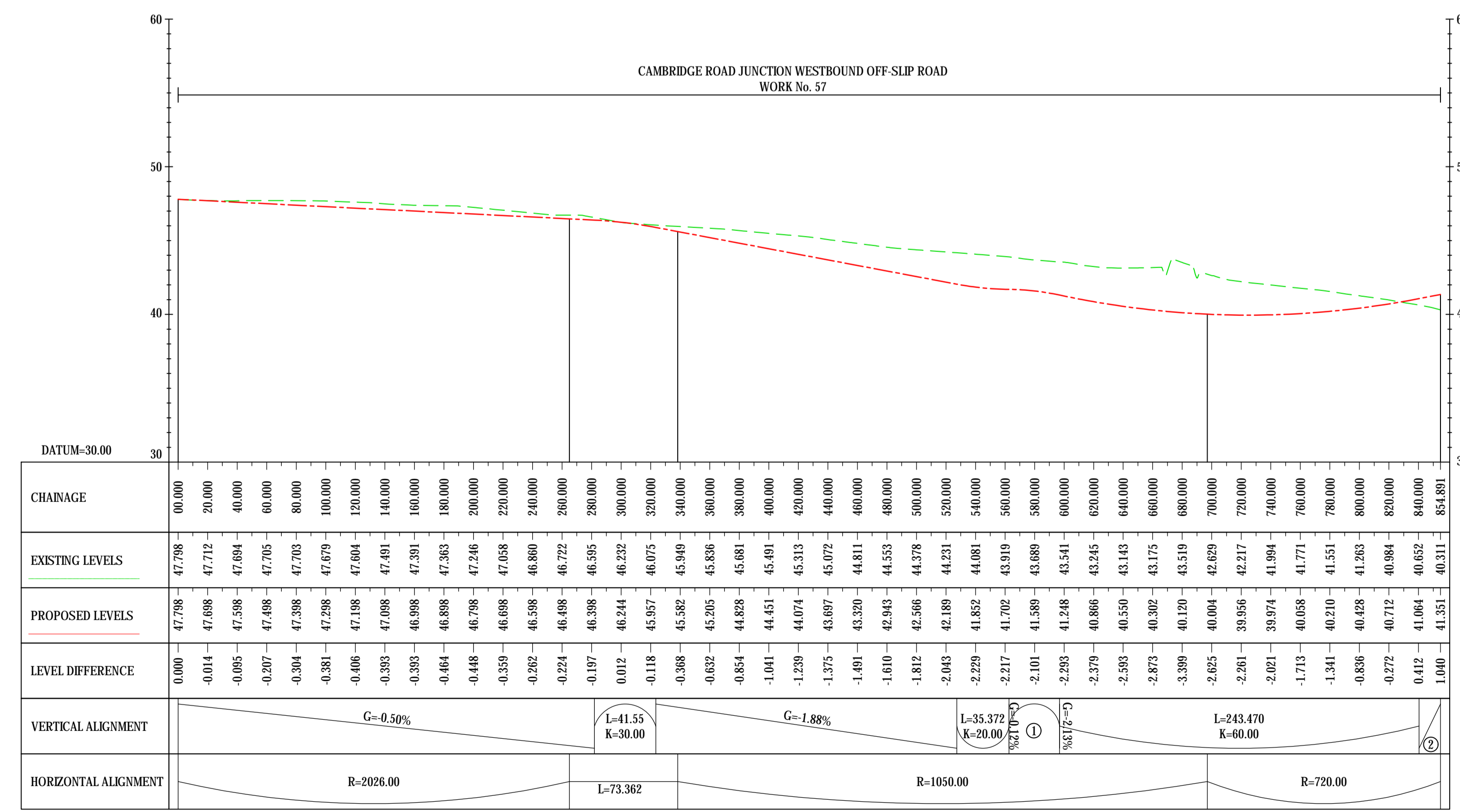
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REALIGNED A428 SOUTH OF CAMBRIDGE ROAD JUNCTION
ALIGNMENT STRING NAME: MC92

LONGSECTION
SCALE: H 1:2500, V 1:250

① G=2.00%
② R=907.36
③ L=27.00
④ R=255.00



CAMBRIDGE ROAD JUNCTION WESTBOUND OFF-SLIP ROAD
ALIGNMENT STRING NAME: MC94

LONGSECTION
SCALE: H 1:2500, V 1:250

① K=17.00
② G=1.93%

Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Date	Suffix	
	Check			

Purpose of issue
DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Development Consent Order Number
TR01044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

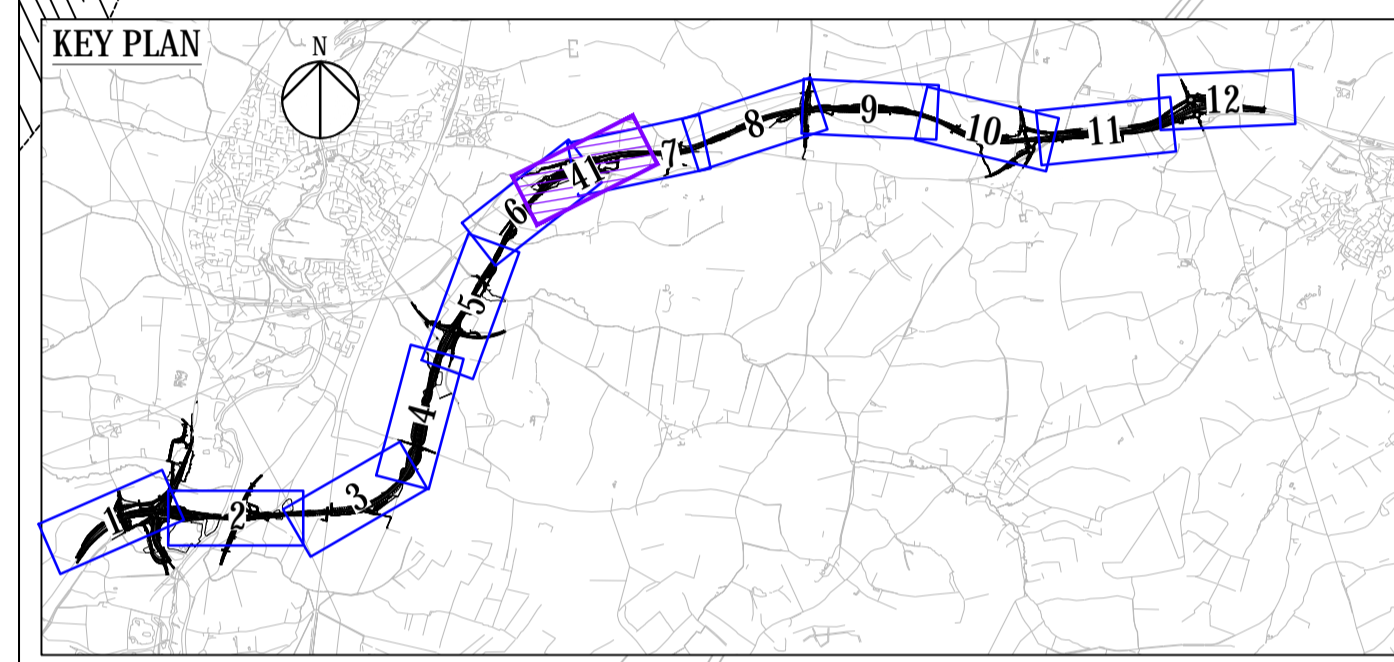
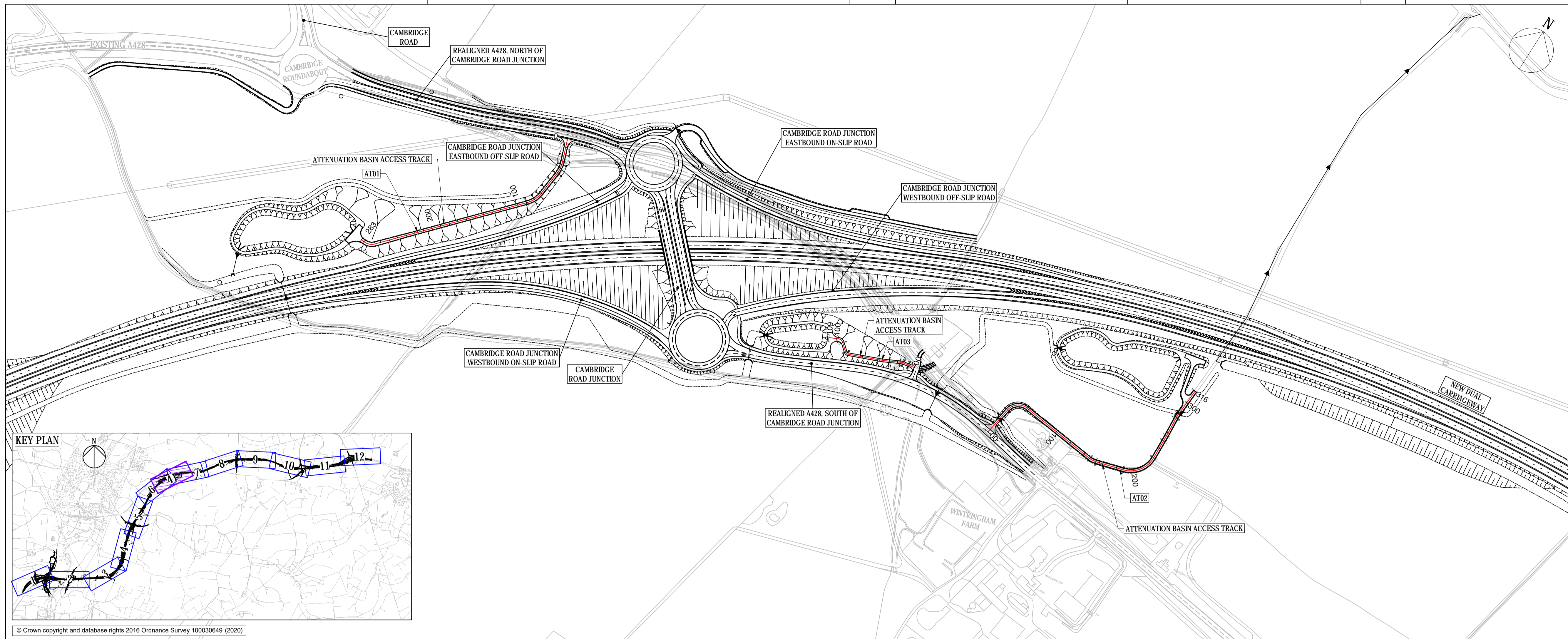
Drawing Title
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 40

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Subality D7			
Scale @ A1 1:2500	Zone ZN3			

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Drawing Number HE551495 - ACM -LSI -	Originator ZN3_SW_Z_ZZ -DR-DC-2440	Volume P04	Rev
Location I Type	1 Role	1 Number	

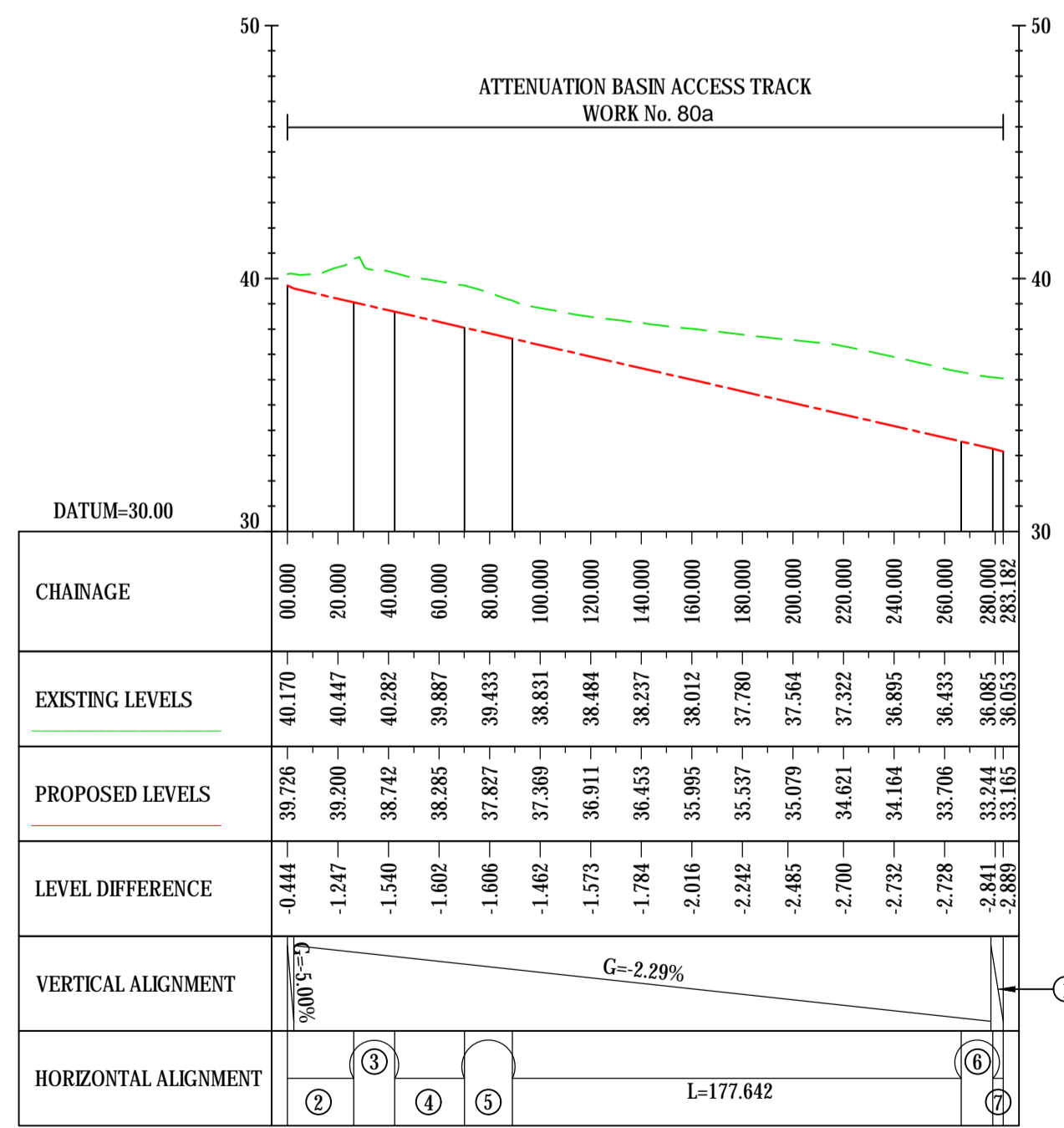
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 Plot Date: Thursday, February 11, 2021, 1:54:45 PM
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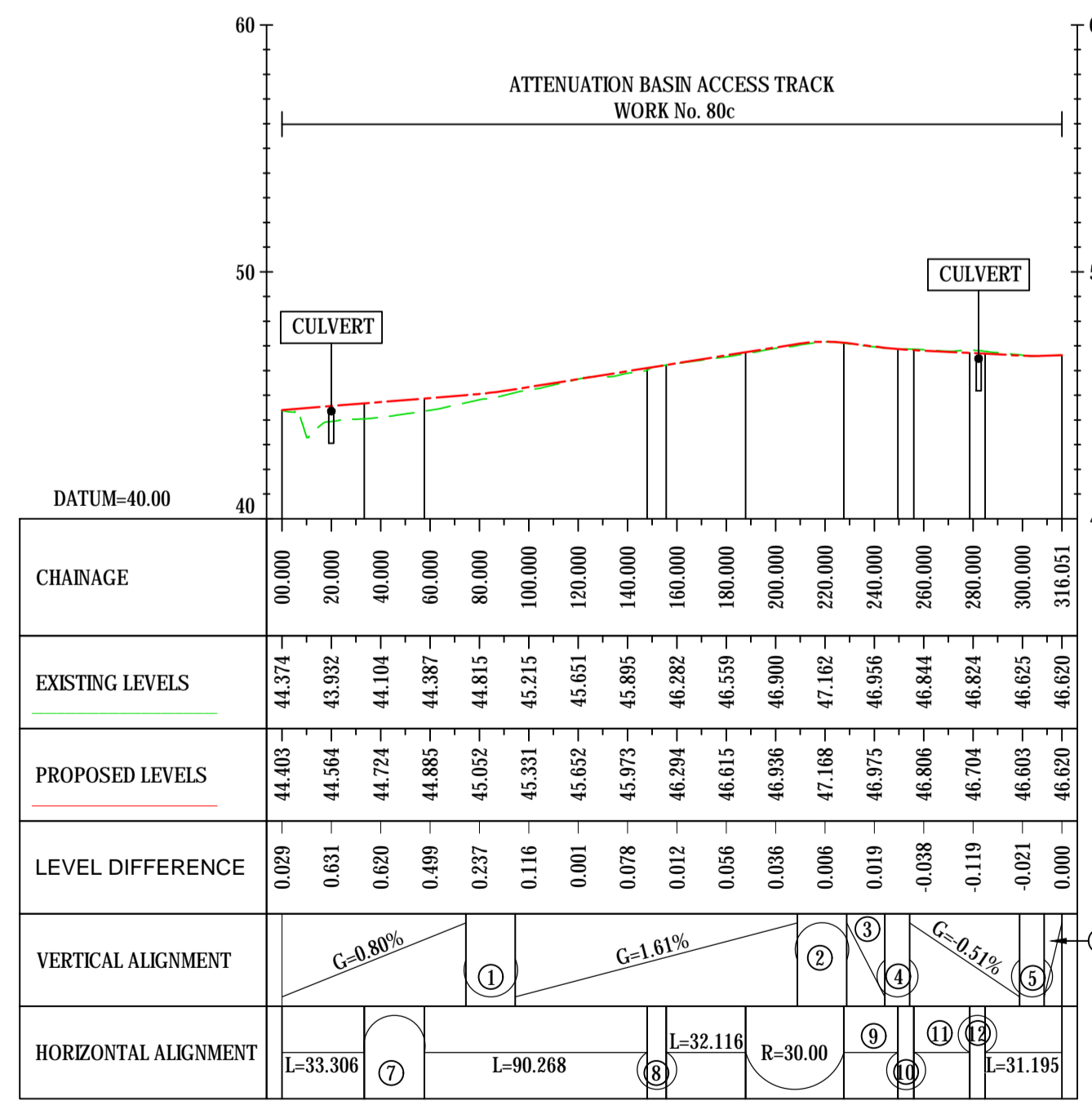
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- NOTES
- DO NOT SCALE FROM THIS DRAWING. USE ONLY PRINTED DIMENSIONS.
 - ALL DIMENSIONS, CHAINAGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.
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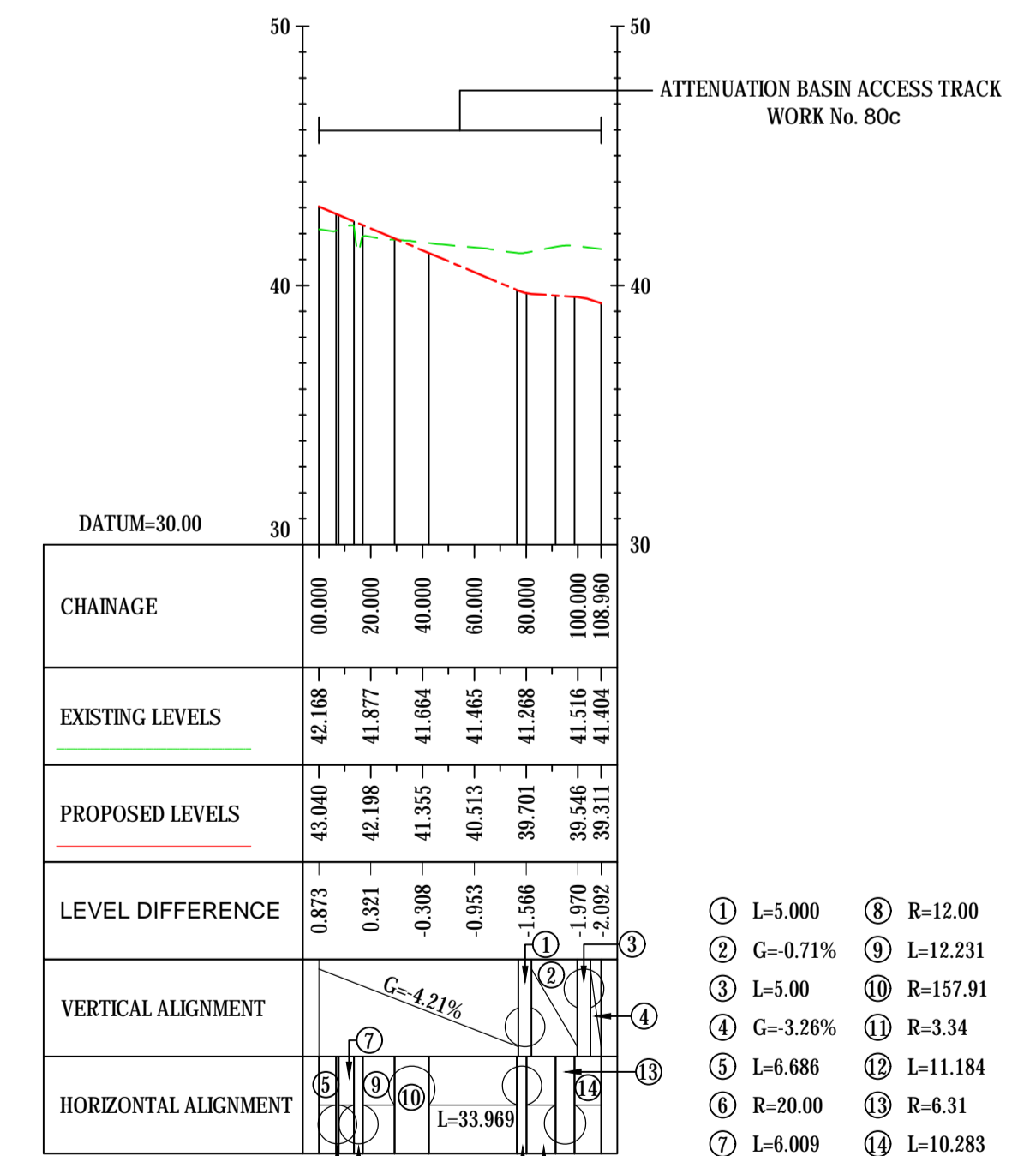
- KEY
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT



ATTENUATION BASIN ACCESS TRACK
ALIGNMENT STRING NAME: AT01
LONGSECTION
SCALE: H 1:2500, V 1:250



ATTENUATION BASIN ACCESS TRACK
ALIGNMENT STRING NAME: AT02
LONGSECTION
SCALE: H 1:2500, V 1:250



ATTENUATION BASIN ACCESS TRACK
ALIGNMENT STRING NAME: AT03
LONGSECTION
SCALE: H 1:2500, V 1:250

Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix

Purpose of Issue

DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Development Consent Order Number
TR01044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 41

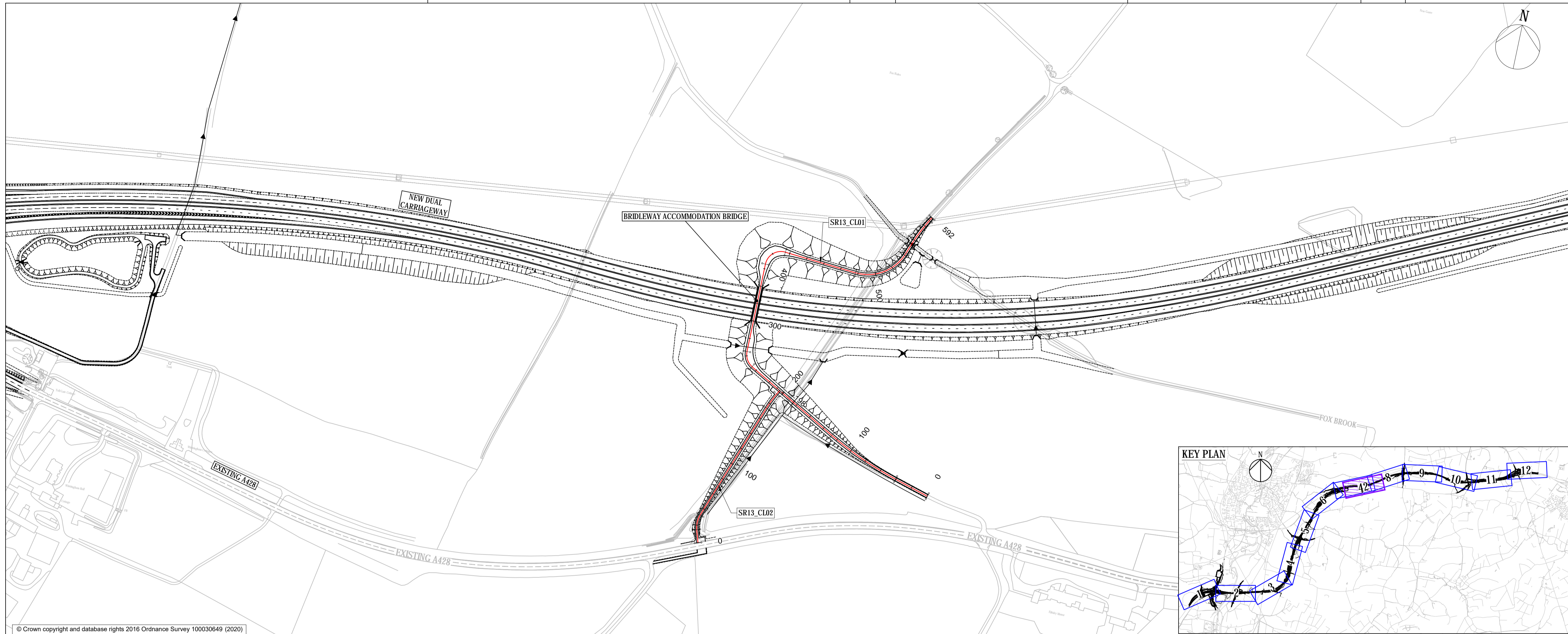
Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
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Internal Project No. 60541541
Subsidiary D7
Scale @ A1 1:2500
Zone ZN3

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Drawing Number HE551495 - ACM - LSI - ZN3_SW_Z_ZZ - DR - DC-2441	Rev P04
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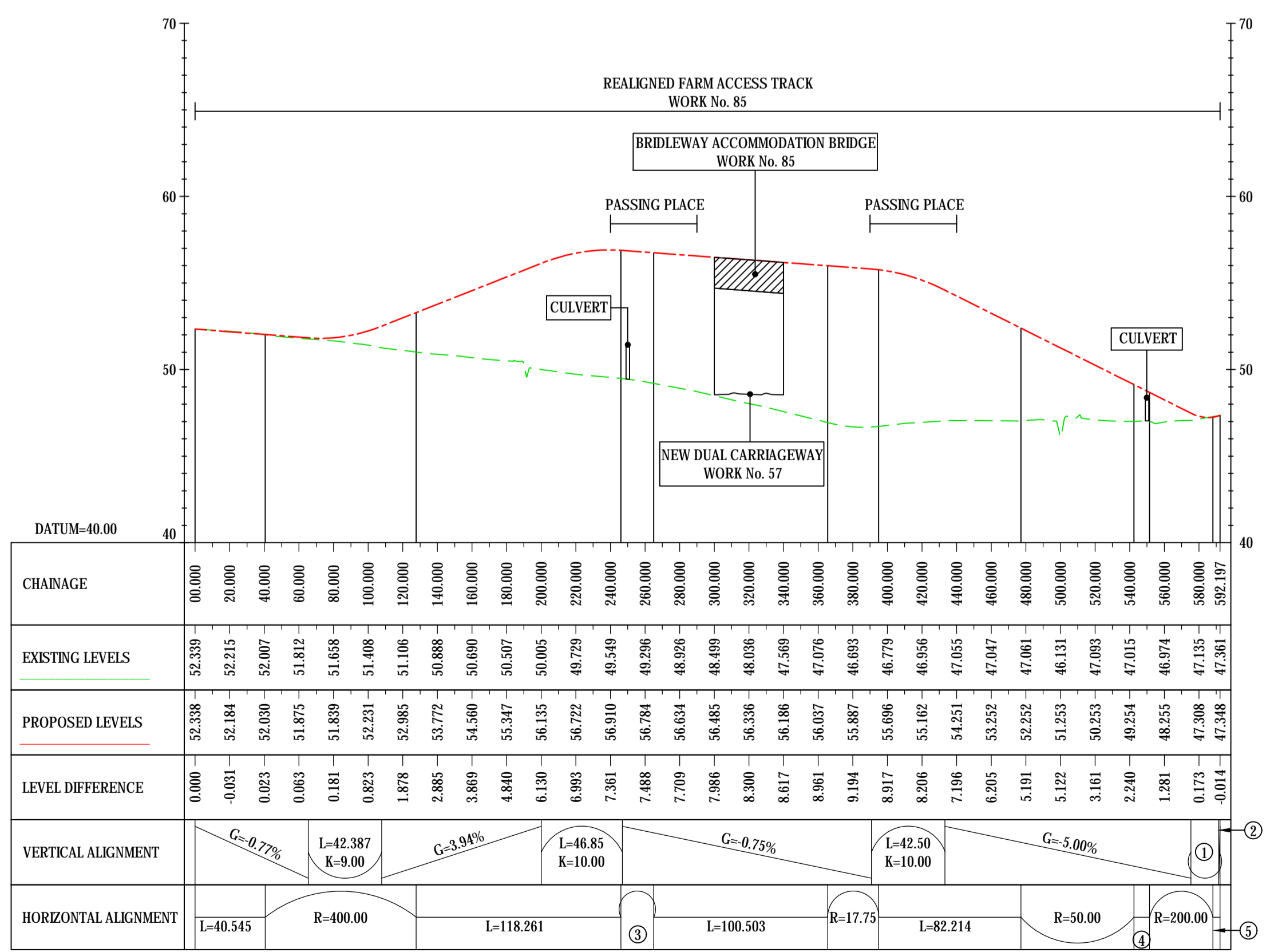
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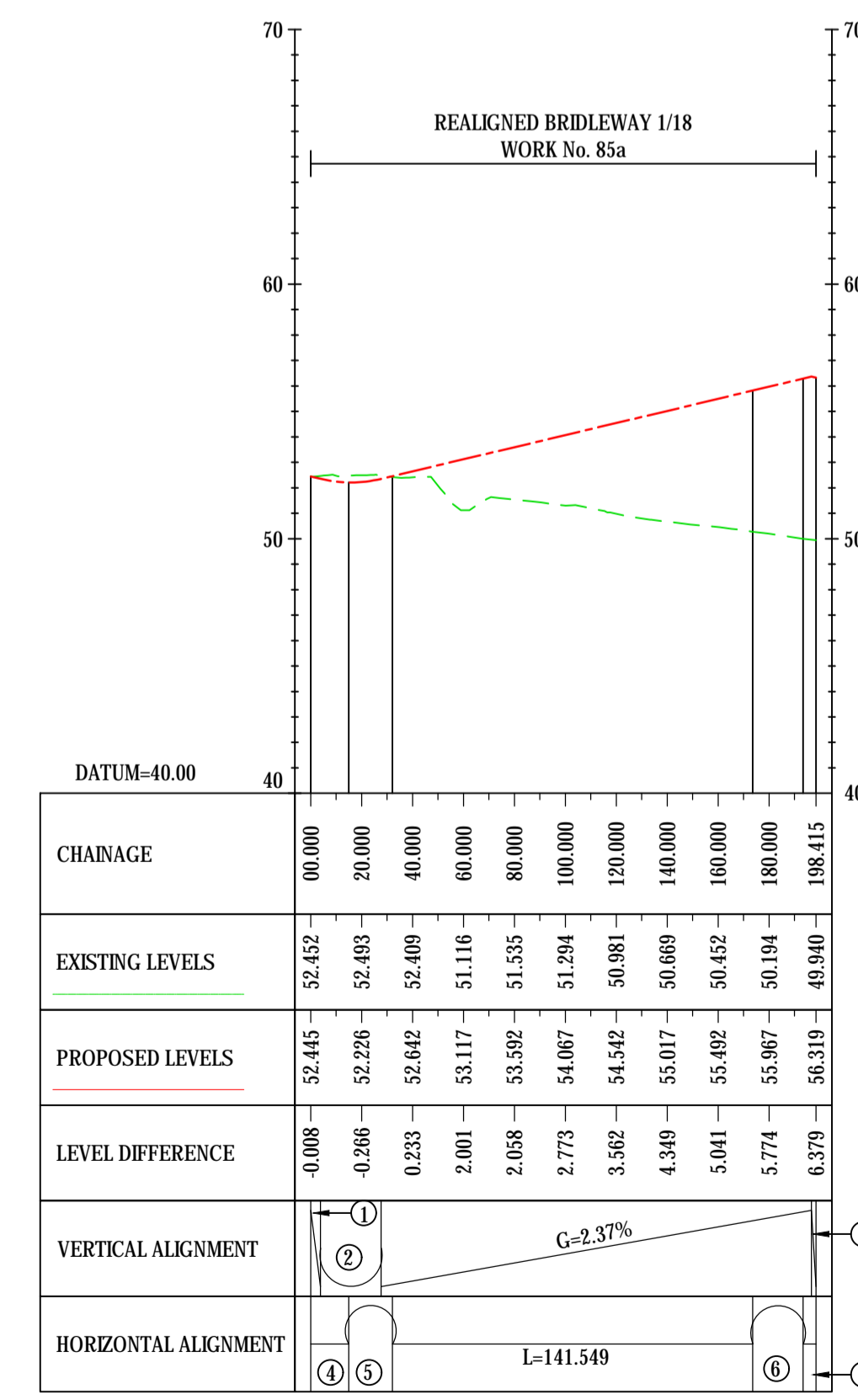
- NOTES**
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- KEY**
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT

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REALIGNED FARM ACCESS TRACK
ALIGNMENT STRING NAME: SR13_CL01
LONGSECTION
SCALE: H 1:2500, V 1:250



REALIGNED BRIDLEWAY 1/18
ALIGNMENT STRING NAME: SR13_CL02
LONGSECTION
SCALE: H 1:2500, V 1:250

- ① G=-2.41%
- ② K=5.00
- ③ G=-2.50%
- ④ L=14.897
- ⑤ R=26.50
- ⑥ R=126.50
- ⑦ L=5.052

Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix

DCO APPLICATION

Client: Highways England
Woodlands, Manton Lane, Manton Industrial Estate, Bedford, MK41 7LW

Development Consent Order Number: **TR01044**

Project Title: **A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS**

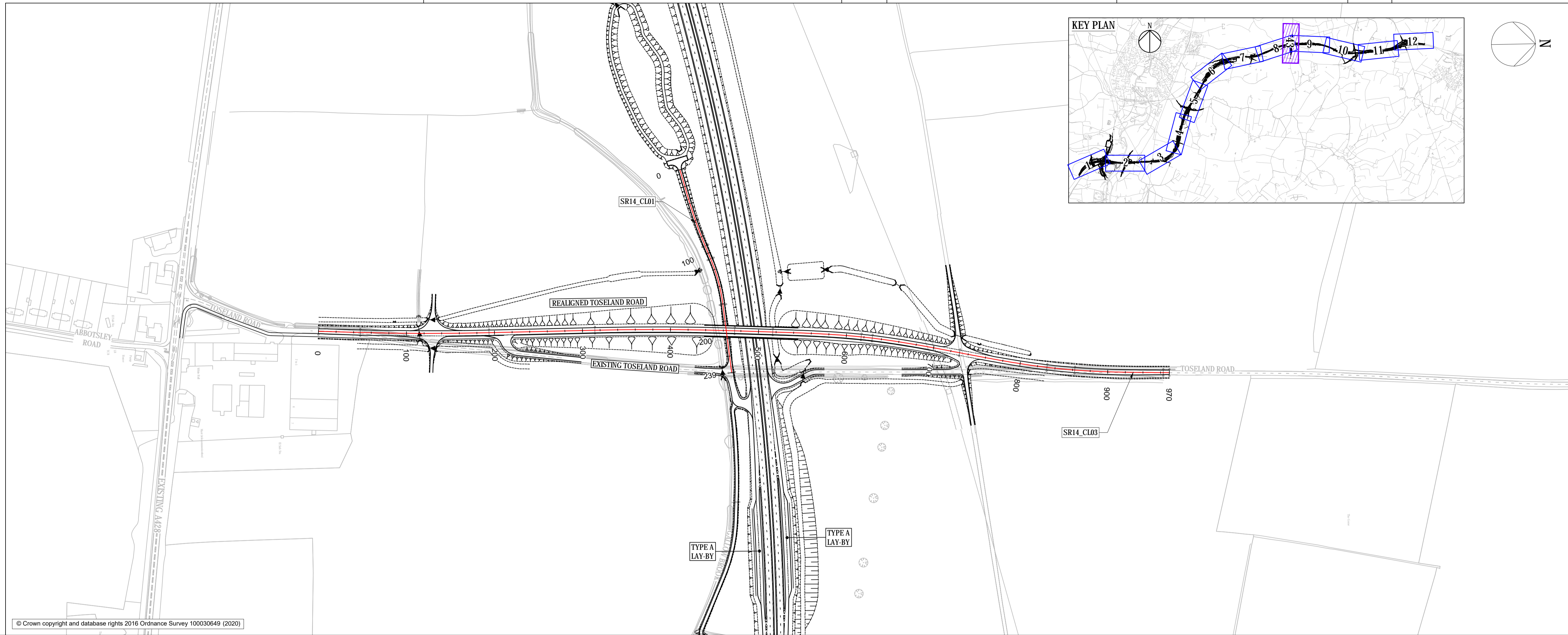
Drawing Title: **ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 42**

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
60541541	D7			
Scale @ A1 1:2500	Suitability Zone ZN3			

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Drawing Number: HE551495 - ACM - LSI - P04
Location: ZN3_SW_Z_ZZ - DR-DC-2442

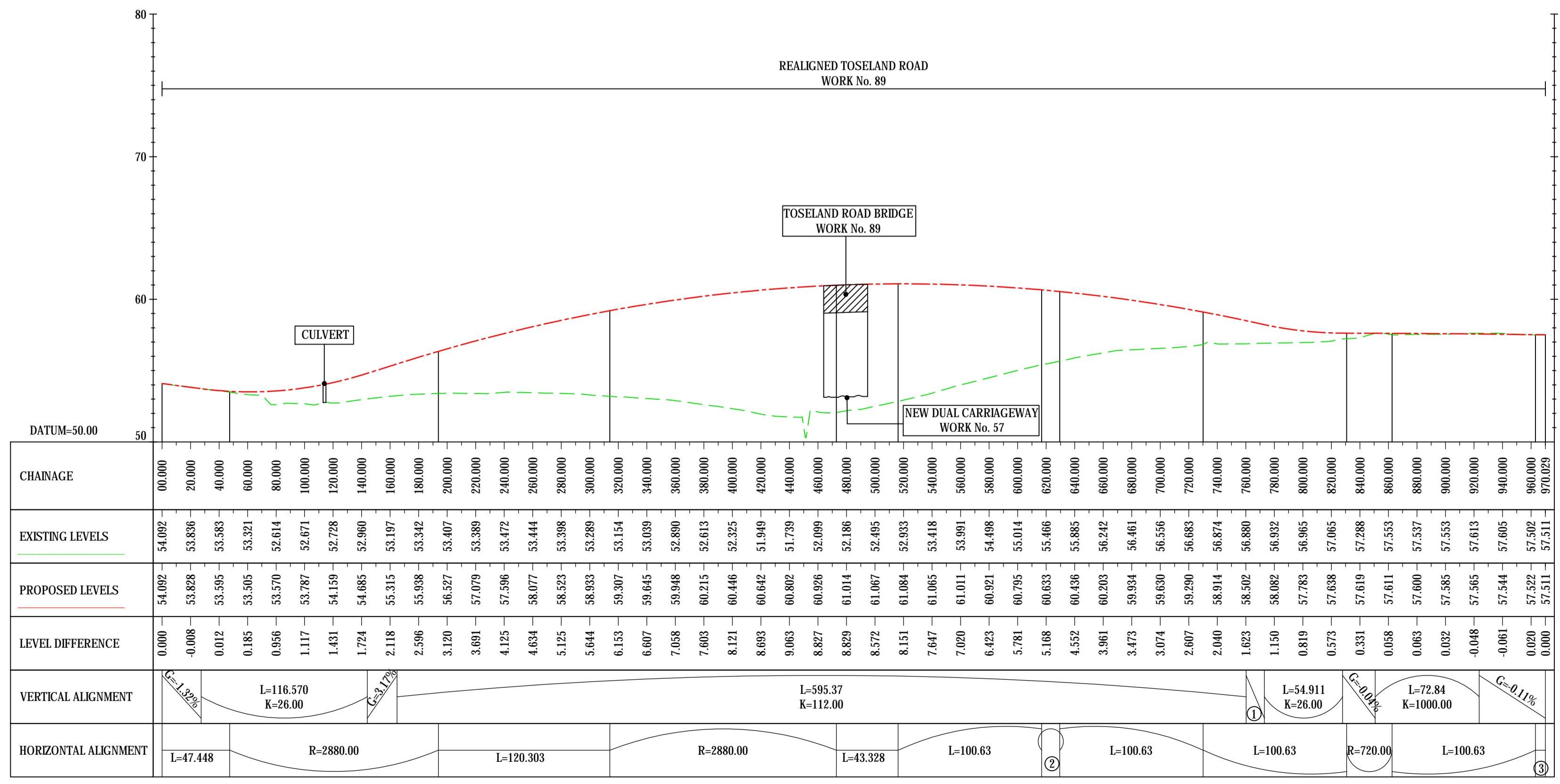
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 Plot Date: Thursday, February 11, 2021, 1:16:24 PM



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- KEY**
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT

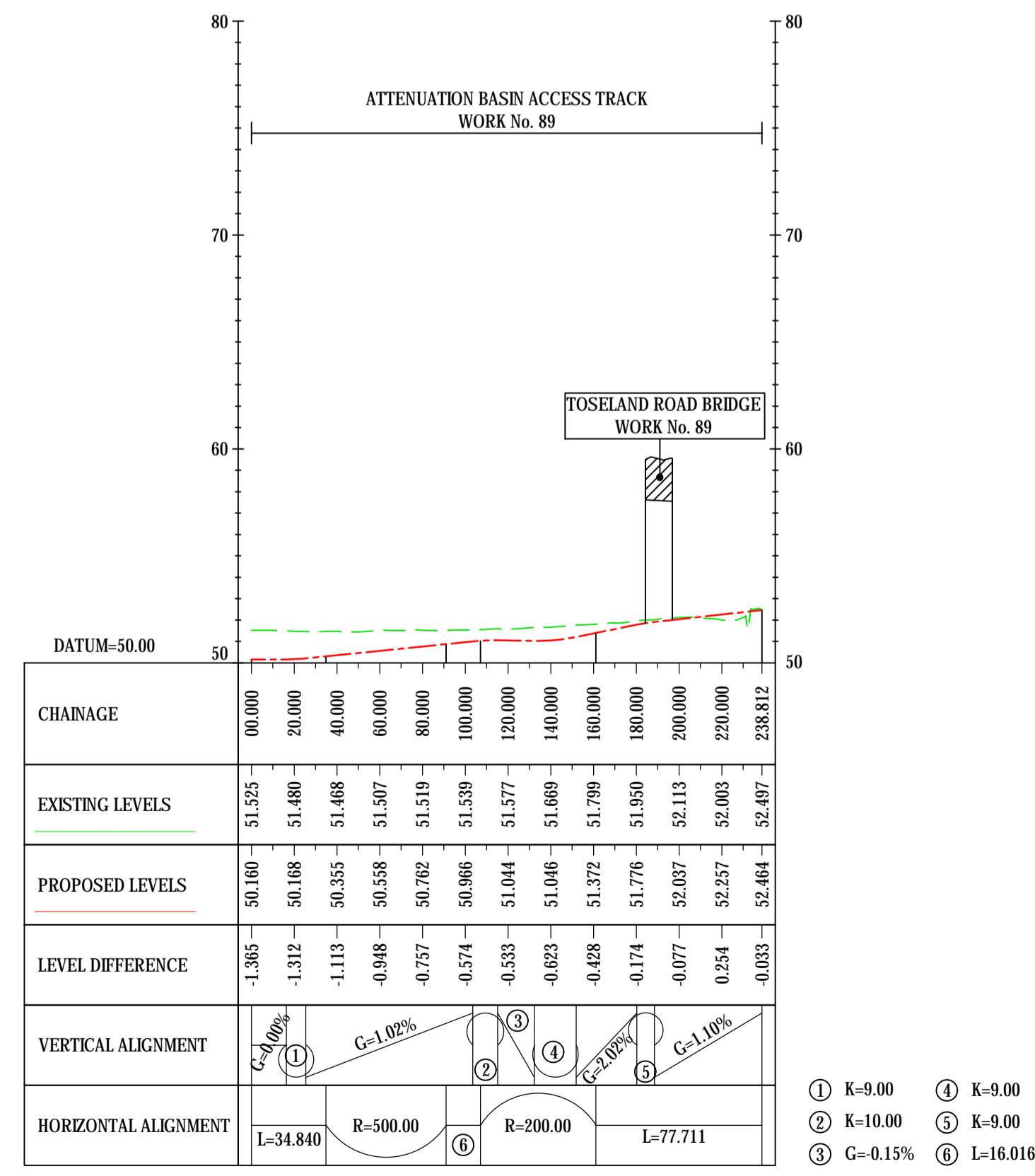
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REALIGNED TOSELAND ROAD
ALIGNMENT STRING NAME : SR14_CL03

LONGSECTION
SCALE: H 1:2500, V 1:250

① G=2.15%
② R=720.00
③ L=6.900



ATTENUATION BASIN ACCESS TRACK
ALIGNMENT STRING NAME : SR14_CL01

LONGSECTION
SCALE: H 1:2500, V 1:250

① K=9.00
② K=10.00
③ G=0.15%

④ K=9.00
⑤ K=9.00
⑥ L=16.016

Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Date	Suffix	
	Check			

Purpose of issue

DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Working on behalf of
highways england

Development Consent Order Number
TR01044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 43

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Suitability D7			
Scale @ A1 1:2500	Zone ZN4			

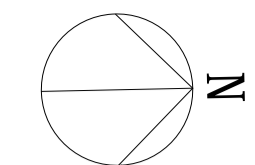
THIS DOCUMENT HAS BEEN PREPARED PURSUANT TO AND SUBJECT TO THE TERMS OF AECOM'S APPOINTMENT BY ITS CLIENT. AECOM ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN BY ITS ORIGINAL CLIENT OR FOLLOWING AECOM'S EXPRESS AGREEMENT TO SUCH USE, AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND PROVIDED.

Drawing Number
HE551495 - ACM - LSI - P04

Highways England PIN
ZN4_SW_Z_ZZ - DR - DC-2443

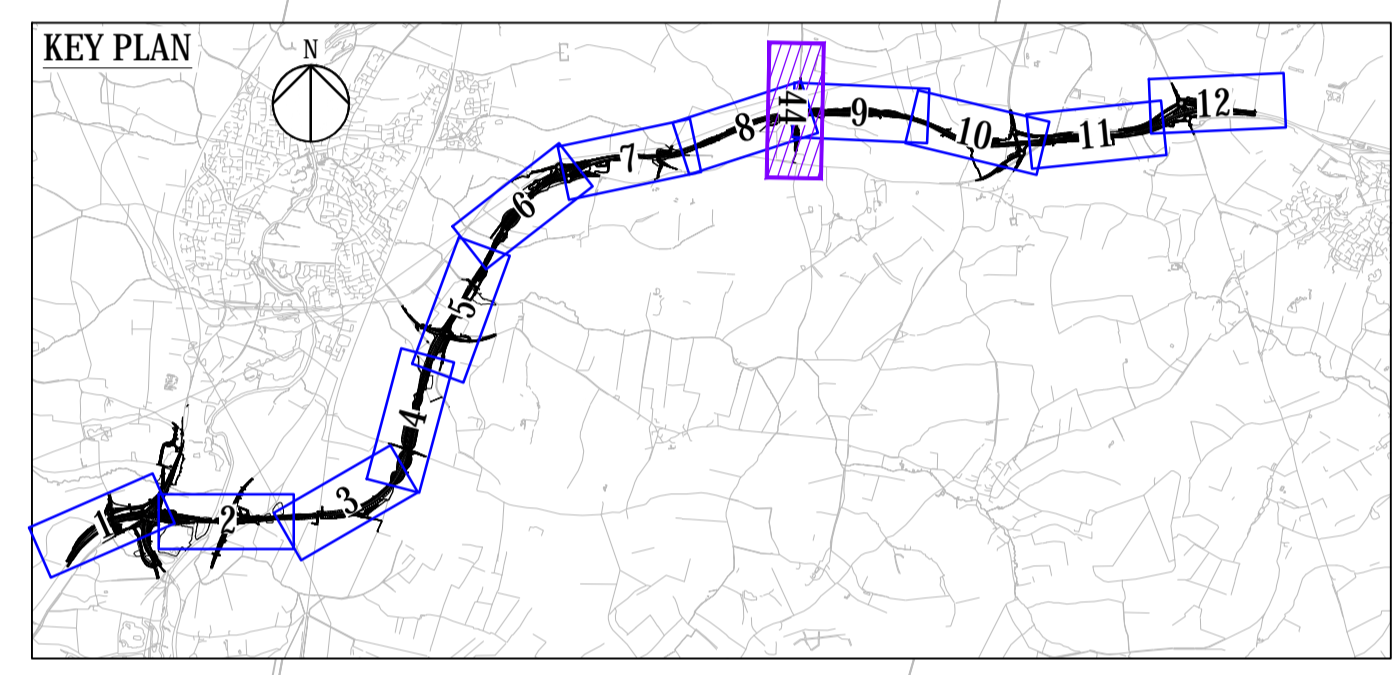
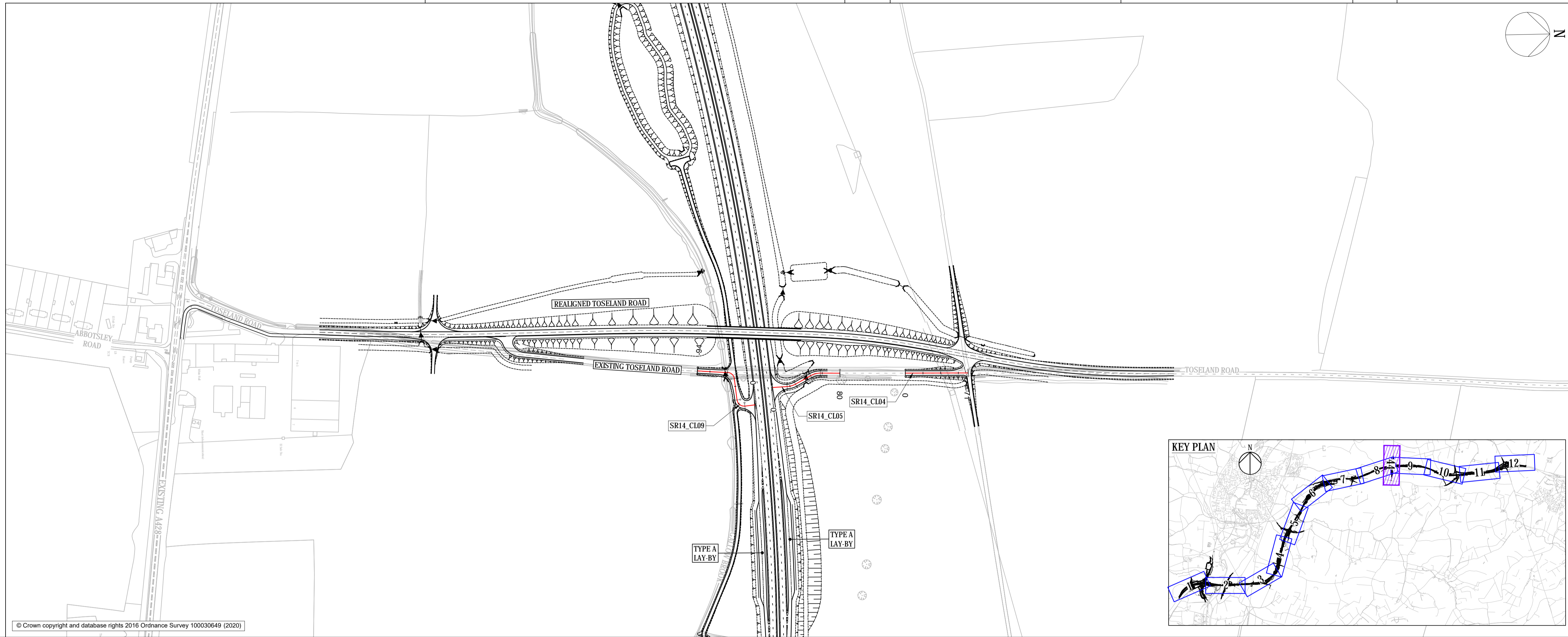
Location
I Type I Role I Number

File Name: C:\P\0104\WORKING\DCO\APP\3\1\ENGINEERING\SECTION\SR14_CL03_SHEET_43.DWG
 Plot Date: Thursday, February 11, 2021, 1:53:30 PM
 Plot Name: C:\P\0104\WORKING\DCO\APP\3\1\ENGINEERING\SECTION\SR14_CL03_SHEET_43.DWG



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- KEY**
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT



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Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix

DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

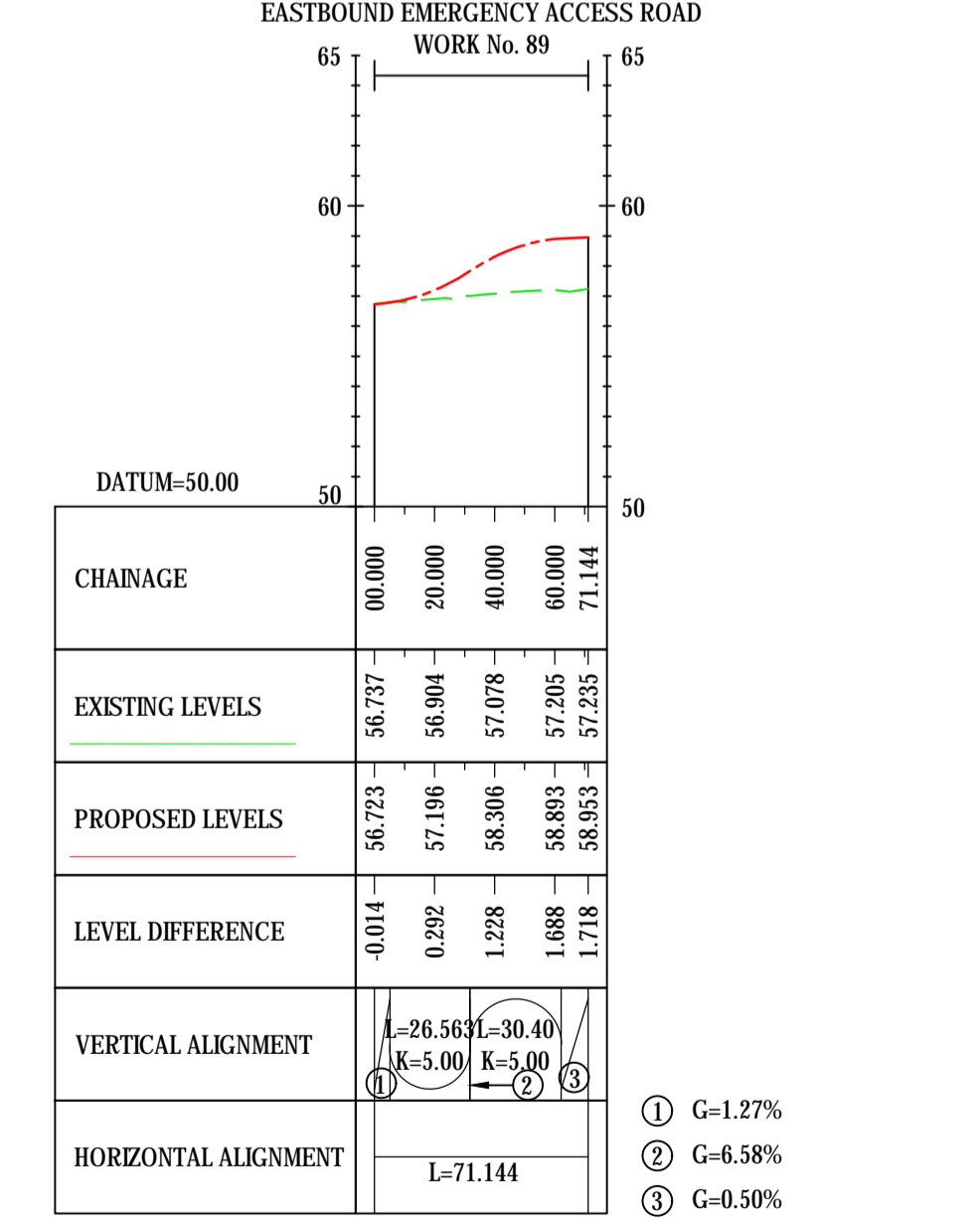
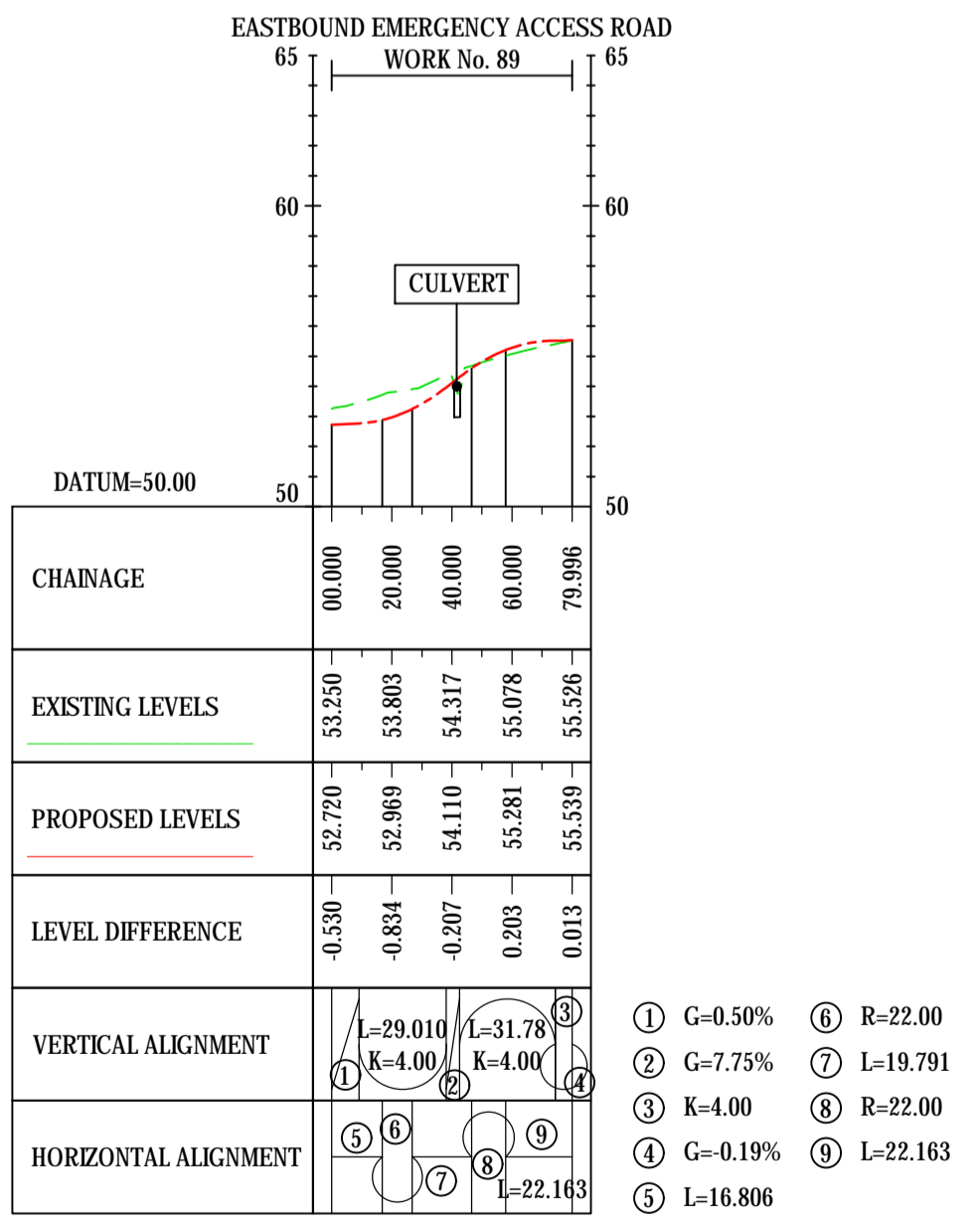
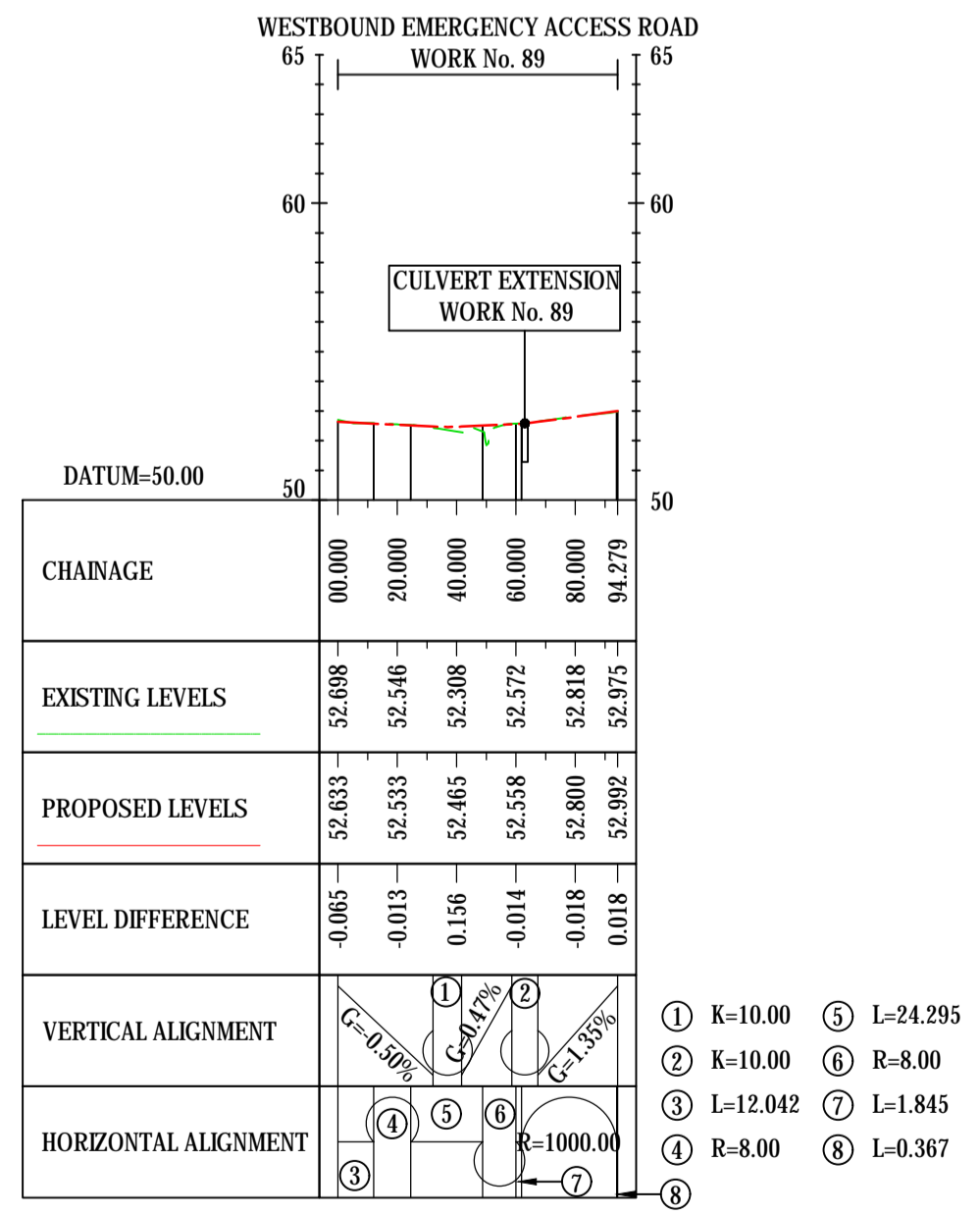
Development Consent Order Number
TR01044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 44

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Suitability D7	Scale @ A1 1:2500		
Zone ZN4		THIS DOCUMENT HAS BEEN PREPARED PURSUANT TO AND SUBJECT TO THE TERMS OF AECOM'S APPOINTMENT BY ITS CLIENT. AECOM ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN BY ITS ORIGINAL CLIENT OR FOLLOWING AECOM'S EXPRESS AGREEMENT TO SUCH USE, AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND PROVIDED.		

Drawing Number HE551495 -ACM -LSI -	1 Originator	1 Volume	Rev P04
Location ZN4_SW_Z_ZZ -DR-DC-2444	1 Type	1 Role	1 Number

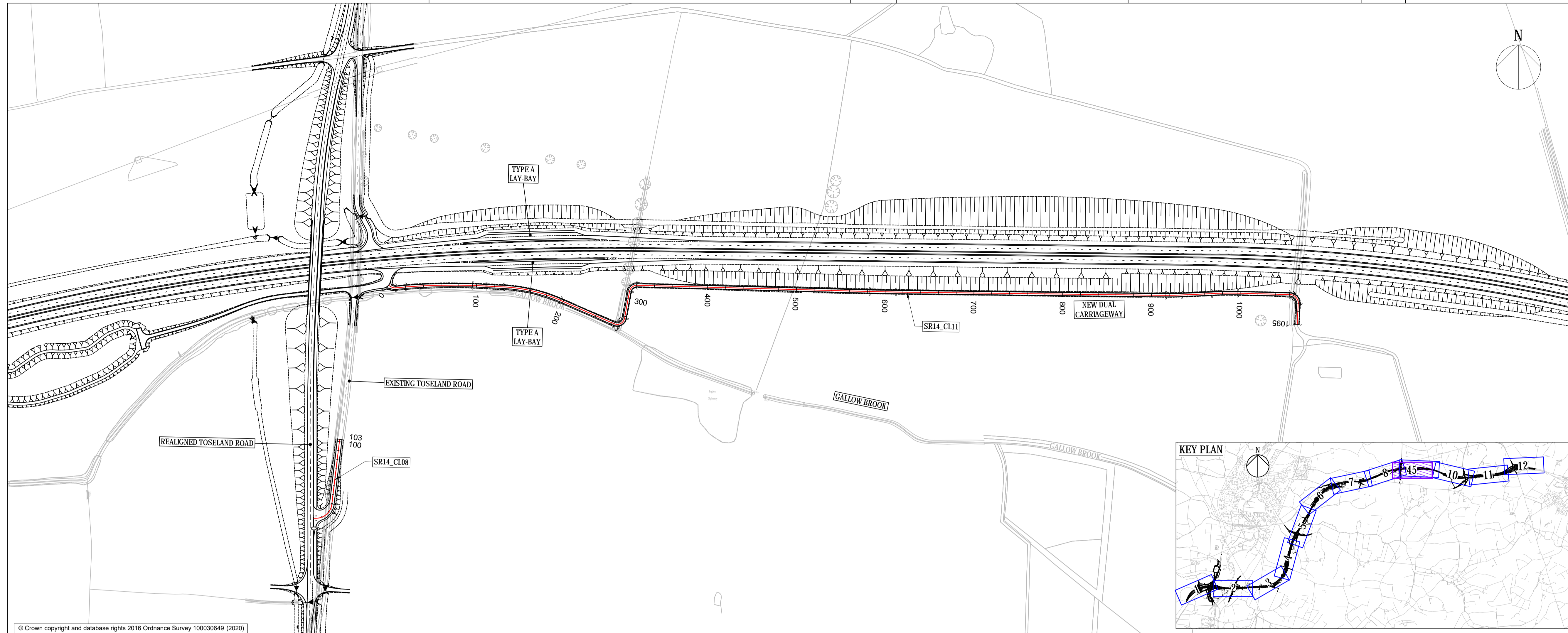


WESTBOUND EMERGENCY ACCESS ROAD
ALIGNMENT STRING NAME : SR14_CL09
LONGSECTION
SCALE: H 1:2500,V 1:250

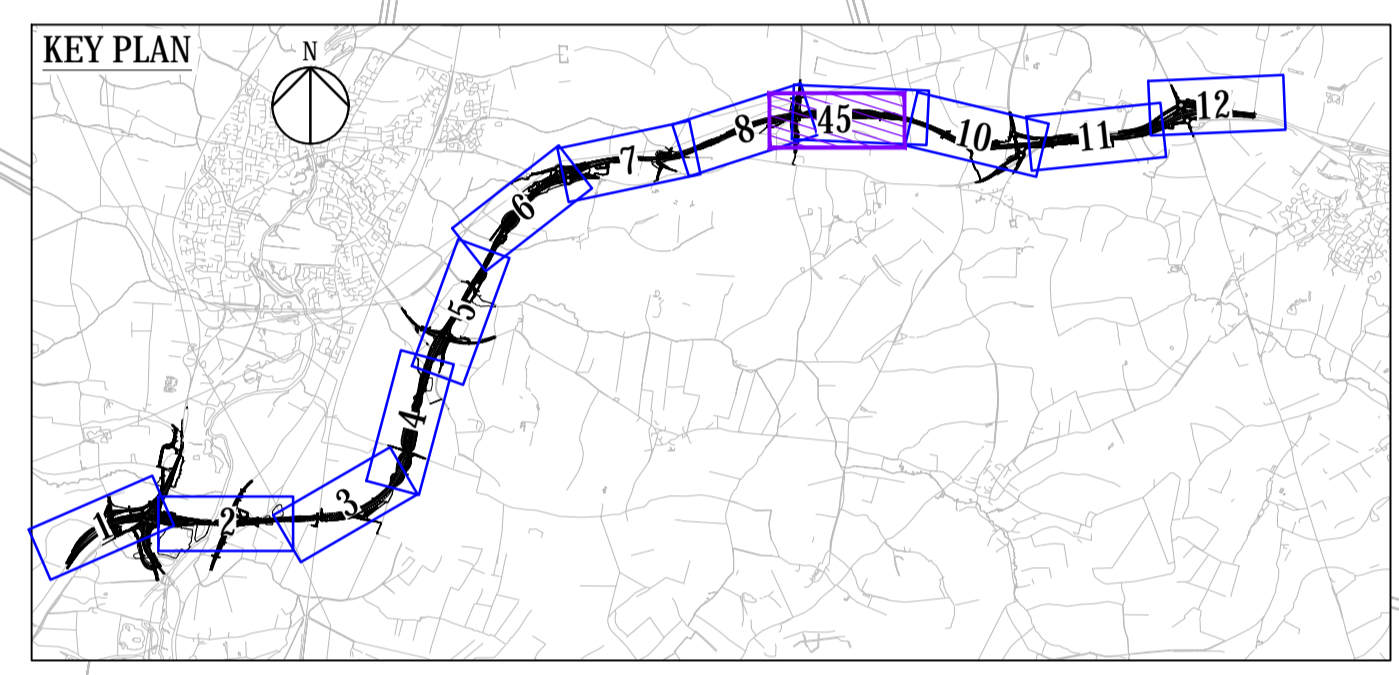
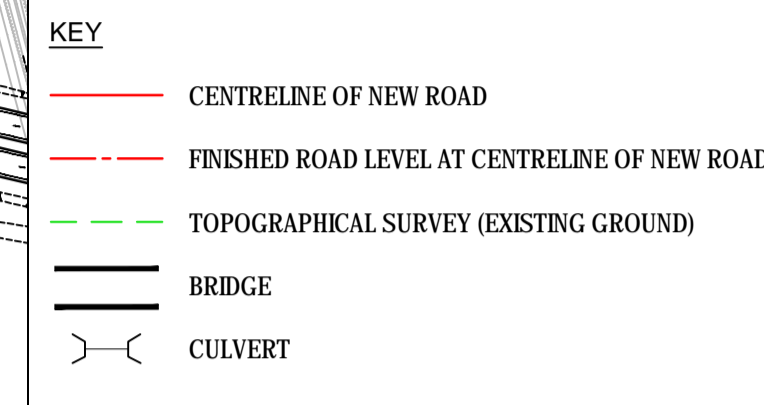
EASTBOUND EMERGENCY ACCESS ROAD
ALIGNMENT STRING NAME : SR14_CL05
LONGSECTION
SCALE: H 1:2500,V 1:250

EASTBOUND EMERGENCY ACCESS ROAD
ALIGNMENT STRING NAME : SR14_CL04
LONGSECTION
SCALE: H 1:2500,V 1:250

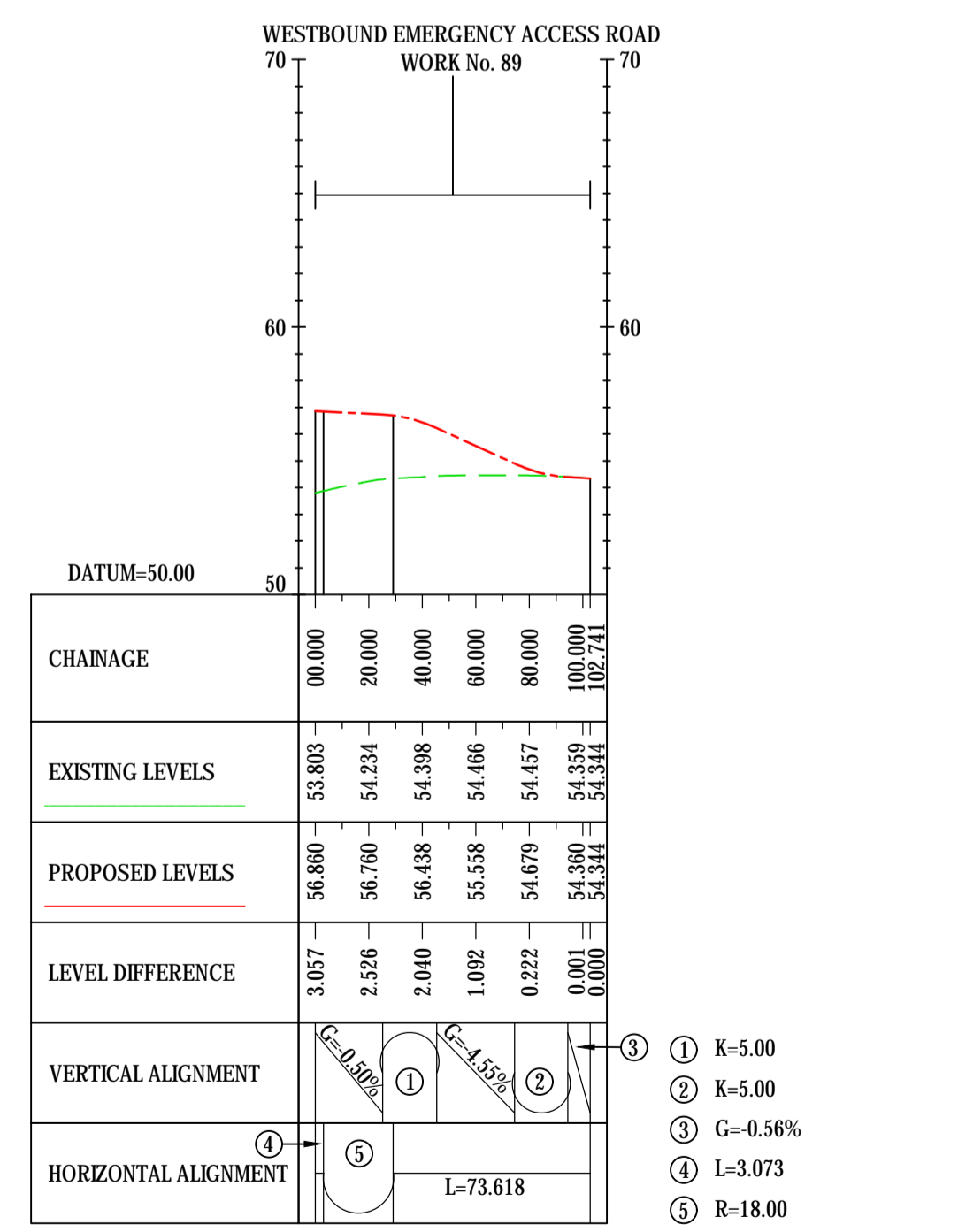
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 Plot Date: Thursday, February 11, 2021, 1:16:52 PM
 Plot Name: C:\P\WORK\DRWING\DCO\APP\HE551495-ACM-LSI-ZN4_SW_Z_ZZ-DR-DC-2444



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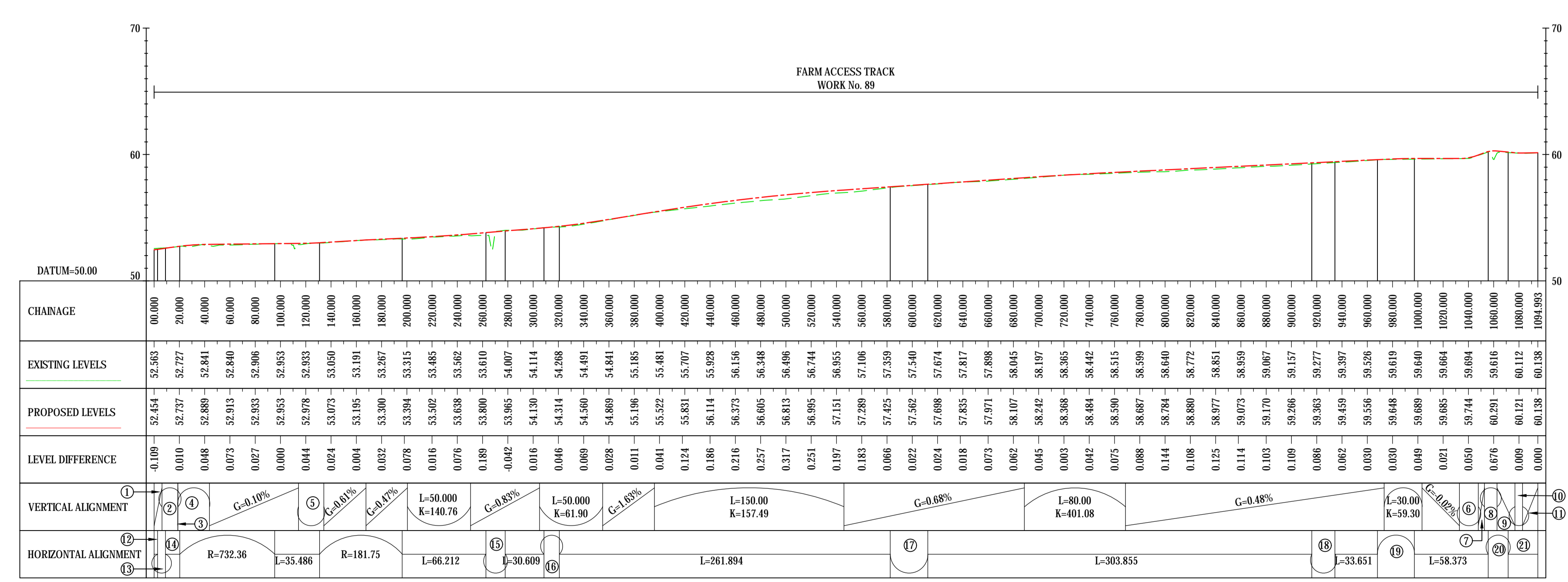


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WESTBOUND EMERGENCY ACCESS ROAD
ALIGNMENT STRING NAME: SR14_CL08

LONGSECTION
SCALE: H 1:2500, V 1:250



FARM ACCESS TRACK
ALIGNMENT STRING NAME: SR14_CL11

LONGSECTION
SCALE: H 1:2500, V 1:250

- ① K=1.50%
- ② K=5.00
- ③ G=-0.56%
- ④ L=3.073
- ⑤ R=18.00
- ⑥ K=3.96
- ⑦ G=3.76%
- ⑧ K=2.11
- ⑨ G=-0.98%
- ⑩ K=5.23
- ⑪ L=0.18%
- ⑫ L=2.838
- ⑬ R=9.00
- ⑭ L=11.379
- ⑮ R=8.52
- ⑯ R=8.61
- ⑰ R=2001.75
- ⑱ R=250.00
- ⑲ R=384.31
- ⑳ R=9.75
- ㉑ R=23.595

Final for DCO Application	WV	03/02/21	P04
Revision Details	By	Date	Suffix
	Check		

Purpose of issue
DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Development Consent Order Number
TR010044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 45

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Substation D7		Zone ZN4	
Scale @ A1 1:2500				

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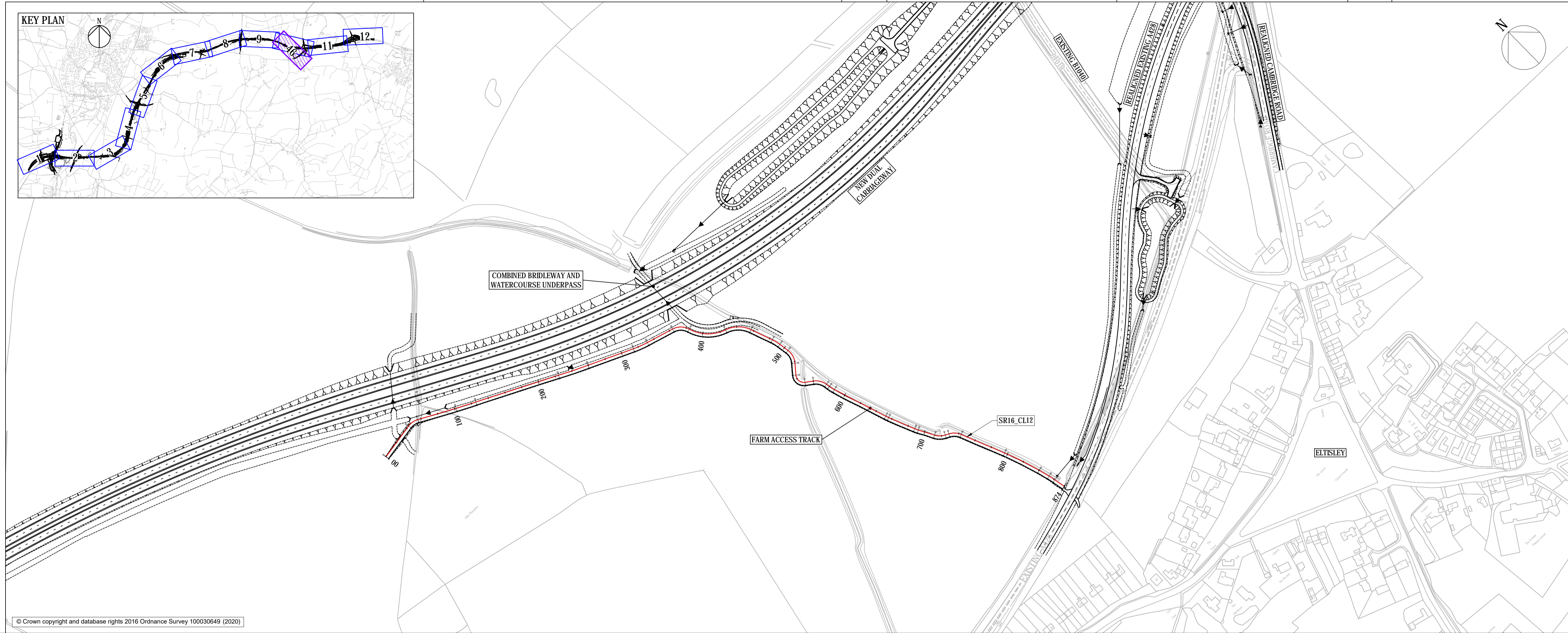
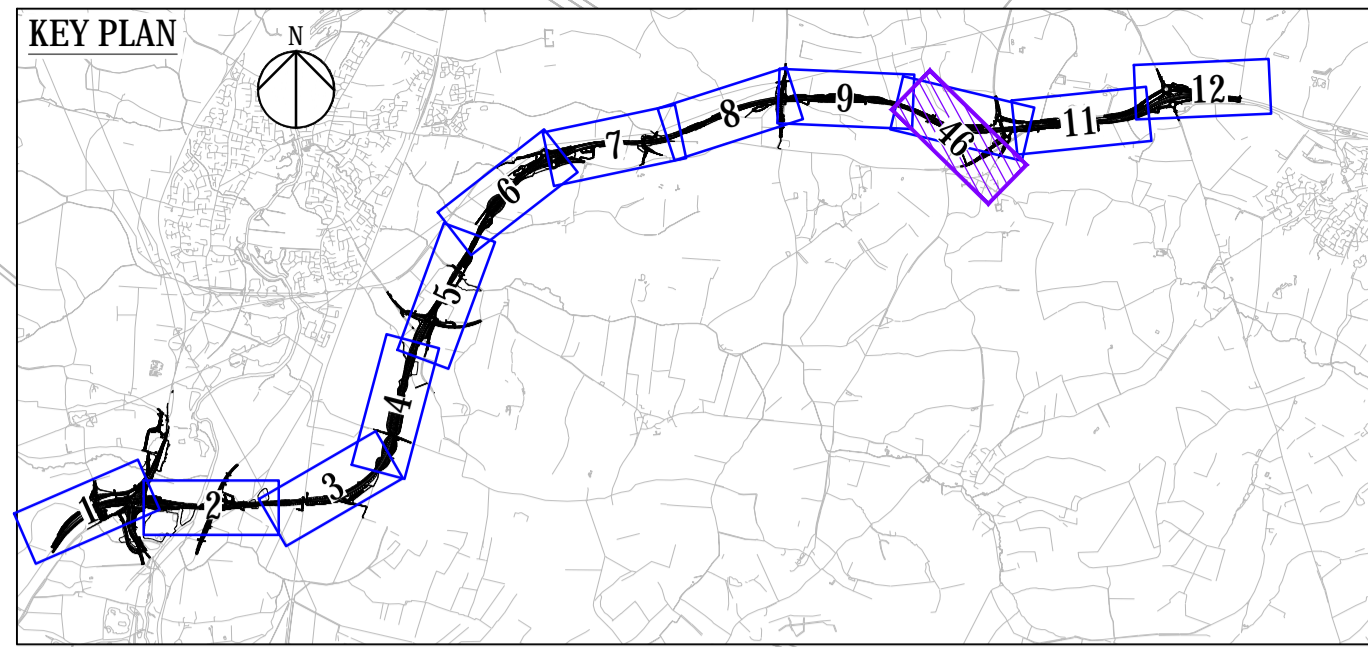
Drawing Number
Highways England PIN
HE551495 -ACM -LSI -

1 Originator
1 Volume
ZN4_SW_Z_ZZ -DR-DC-2445

Location
I Type 1 Role 1 Number

Rev
P04

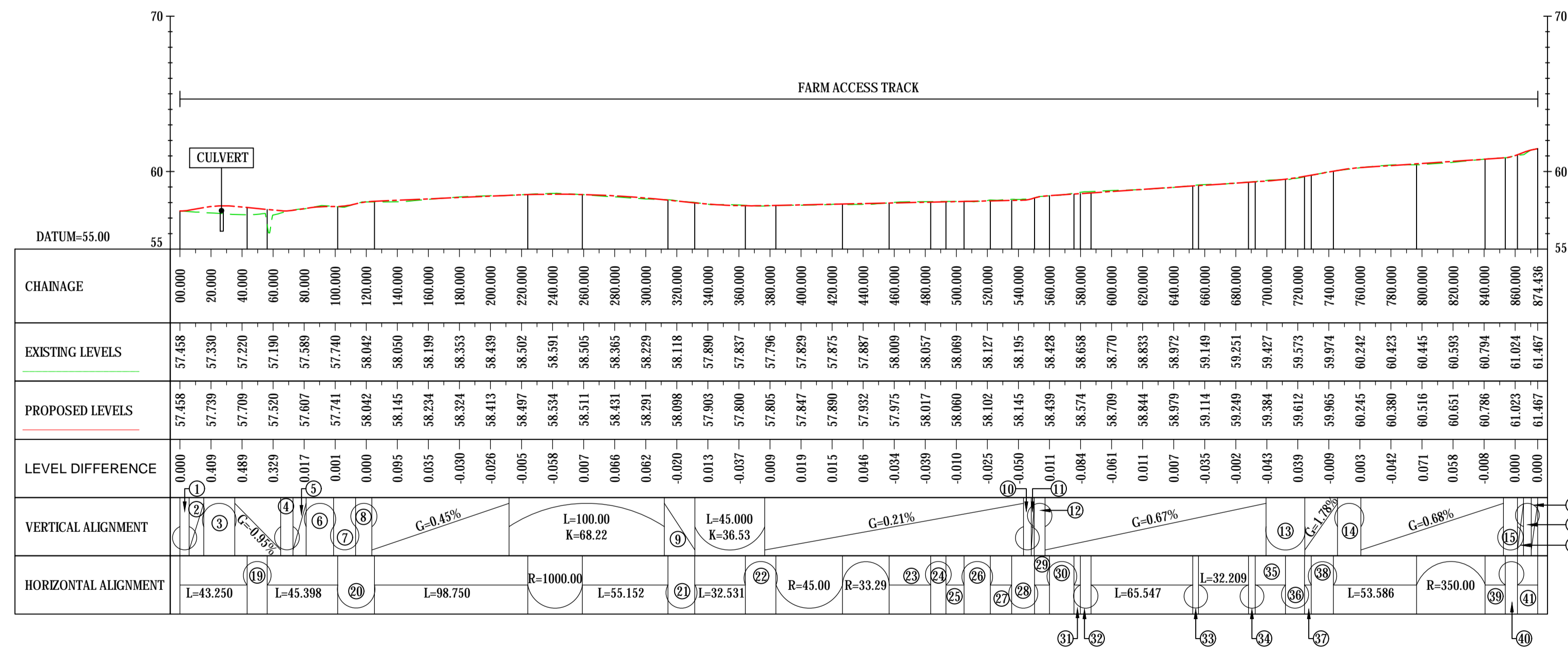
Plot Date: Thursday, February 11, 2021, 1:16:52 PM
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- KEY**
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT

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CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS	LEVEL DIFFERENCE	VERTICAL ALIGNMENT	HORIZONTAL ALIGNMENT
00.000	57.458	57.458	0.000		L=43.250
20.000	57.330	57.730	0.400		L=45.398
40.000	57.220	57.700	0.480		L=98.750
60.000	57.190	57.520	0.330		R=1000.00
80.000	57.589	57.607	0.018		L=55.152
100.000	57.740	57.741	0.001		L=32.531
120.000	58.042	58.042	0.000		R=45.000
140.000	58.050	58.145	0.095		R=33.29
160.000	58.199	58.234	0.035		R=45.000
180.000	58.353	58.324	-0.030		R=33.29
200.000	58.439	58.413	-0.026		R=45.000
220.000	58.502	58.497	-0.005		R=33.29
240.000	58.591	58.534	-0.058		R=45.000
260.000	58.505	58.511	0.007		R=33.29
280.000	58.365	58.431	0.066		R=45.000
300.000	58.229	58.291	0.062		R=33.29
320.000	58.118	58.098	-0.020		R=45.000
340.000	57.890	57.803	-0.087		R=33.29
360.000	57.837	57.800	-0.037		R=45.000
380.000	57.796	57.805	0.009		R=33.29
400.000	57.829	57.847	0.018		R=45.000
420.000	57.875	57.890	0.015		R=33.29
440.000	57.887	57.887	0.000		R=45.000
460.000	58.009	57.975	-0.034		R=33.29
480.000	58.057	58.017	-0.040		R=45.000
500.000	58.069	58.060	-0.010		R=33.29
520.000	58.127	58.102	-0.025		R=45.000
540.000	58.195	58.145	-0.050		R=33.29
560.000	58.428	58.439	0.011		R=45.000
580.000	58.658	58.574	-0.084		R=33.29
600.000	58.770	58.709	-0.061		R=45.000
620.000	58.833	58.844	0.011		R=33.29
640.000	58.972	58.979	0.007		R=45.000
660.000	59.149	59.114	-0.035		R=33.29
680.000	59.251	59.249	-0.002		R=45.000
700.000	59.427	59.384	-0.043		R=33.29
720.000	59.573	59.612	0.039		R=45.000
740.000	59.974	59.965	-0.009		R=33.29
760.000	60.242	60.245	0.003		R=45.000
780.000	60.423	60.380	-0.042		R=33.29
800.000	60.445	60.516	0.071		R=45.000
820.000	60.593	60.651	0.058		R=33.29
840.000	60.794	60.786	-0.008		R=45.000
860.000	61.024	61.023	-0.001		R=33.29
874.436	61.467	61.467	0.000		R=45.000

- 1 K=3.00
- 2 G=1.77%
- 3 K=7.36
- 4 K=3.23
- 5 G=1.53%
- 6 K=10.00
- 7 K=5.00
- 8 K=4.84
- 9 G=1.02%
- 10 K=1.77
- 11 G=3.03%
- 12 K=2.97
- 13 K=22.52
- 14 K=13.53
- 15 K=2.81
- 16 G=3.88%
- 17 K=2.94
- 18 G=2.17%
- 19 R=20.00
- 20 R=1000.00
- 21 R=120.00
- 22 R=20.00
- 23 L=26.773
- 24 R=50.00
- 25 L=11.604
- 26 R=20.00
- 27 L=13.690
- 28 R=9.00
- 29 L=9.595
- 30 R=20.00
- 31 L=4.073
- 32 R=50.00
- 33 R=50.00
- 34 R=50.00
- 35 L=19.468
- 36 R=20.00
- 37 L=4.387
- 38 R=20.00
- 39 L=12.955
- 40 R=100.00
- 41 L=13.027

FARM ACCESS TRACK
ALIGNMENT STRING NAME : SR16_CL12

LONGSECTION
SCALE: H 1:2500, V 1:250

Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix

Purpose of issue
DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Development Consent Order Number
TR01044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

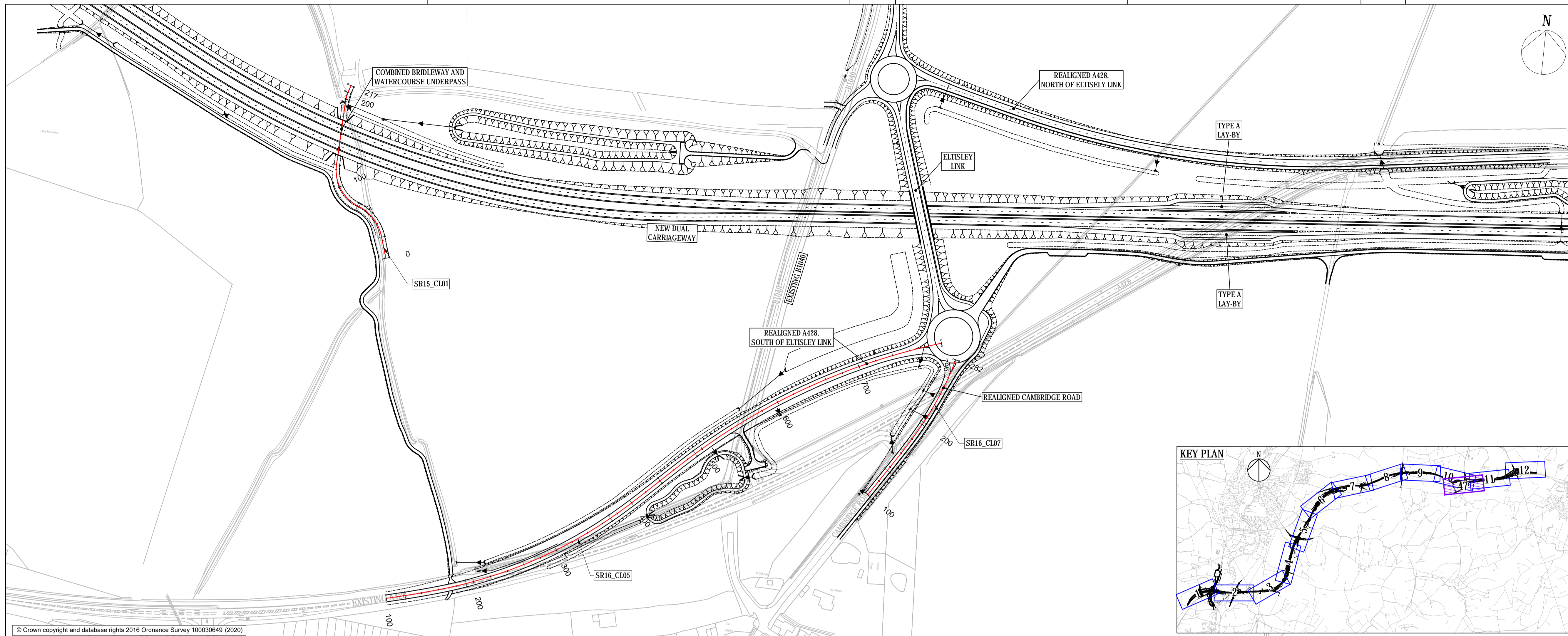
Drawing Title
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 46

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Subsidiary D7		Zone ZN4	
Scale @ A1 1:2500		Zone ZN4		

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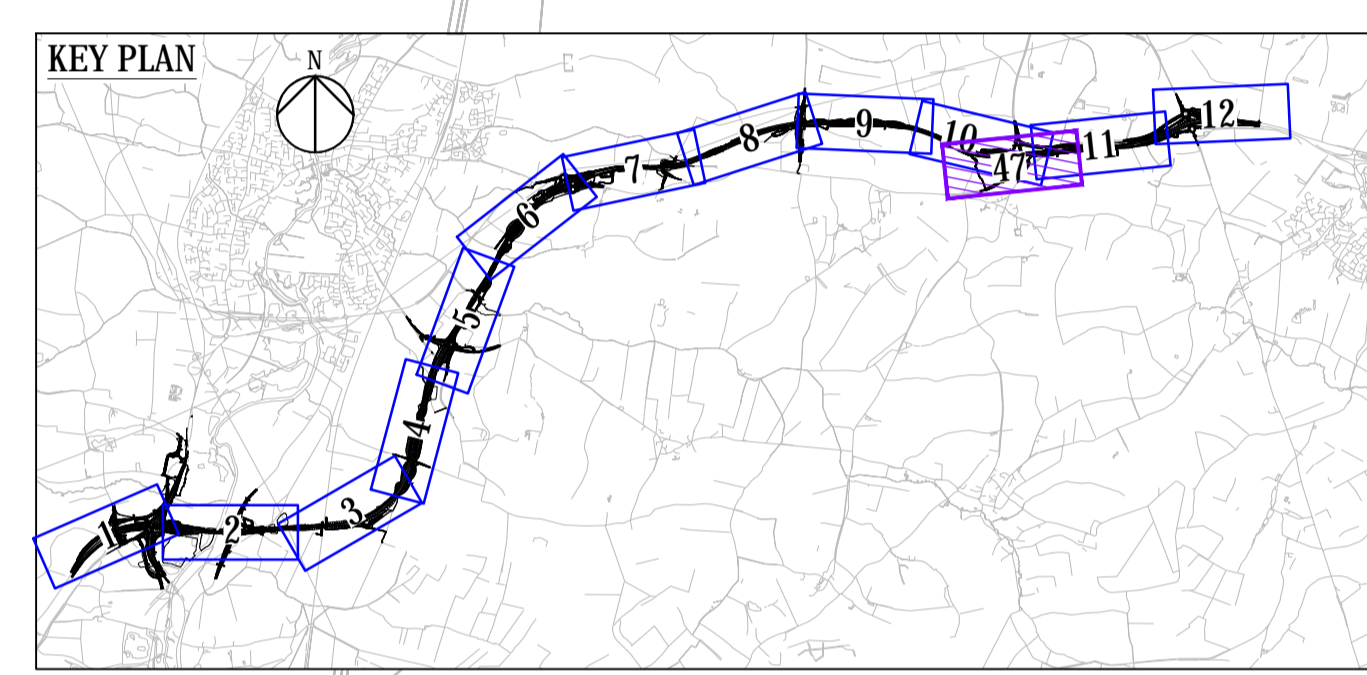
Highways England PIN HE551495	Originator -ACM-	Volume -LSI-	Location ZN4_SW_Z_ZZ	Rev P04
Drawing Number HE551495 - ACM - LSI -			Rev P04	
Location ZN4_SW_Z_ZZ - DR-DC-2446			I Type I Role I Number	

File Name: C:\P\WORK\DR\DCO\COM\LSI\WBS\ESN\W01026207\HE551495-ACM-LSI-ZN4_SW_Z_ZZ_DR-DC-2446
 Plot Date: Thursday, February 11, 2021, 1:55:52 PM
 Plot Name: C:\P\WORK\DR\DCO\COM\LSI\WBS\ESN\W01026207\HE551495-ACM-LSI-ZN4_SW_Z_ZZ_DR-DC-2446

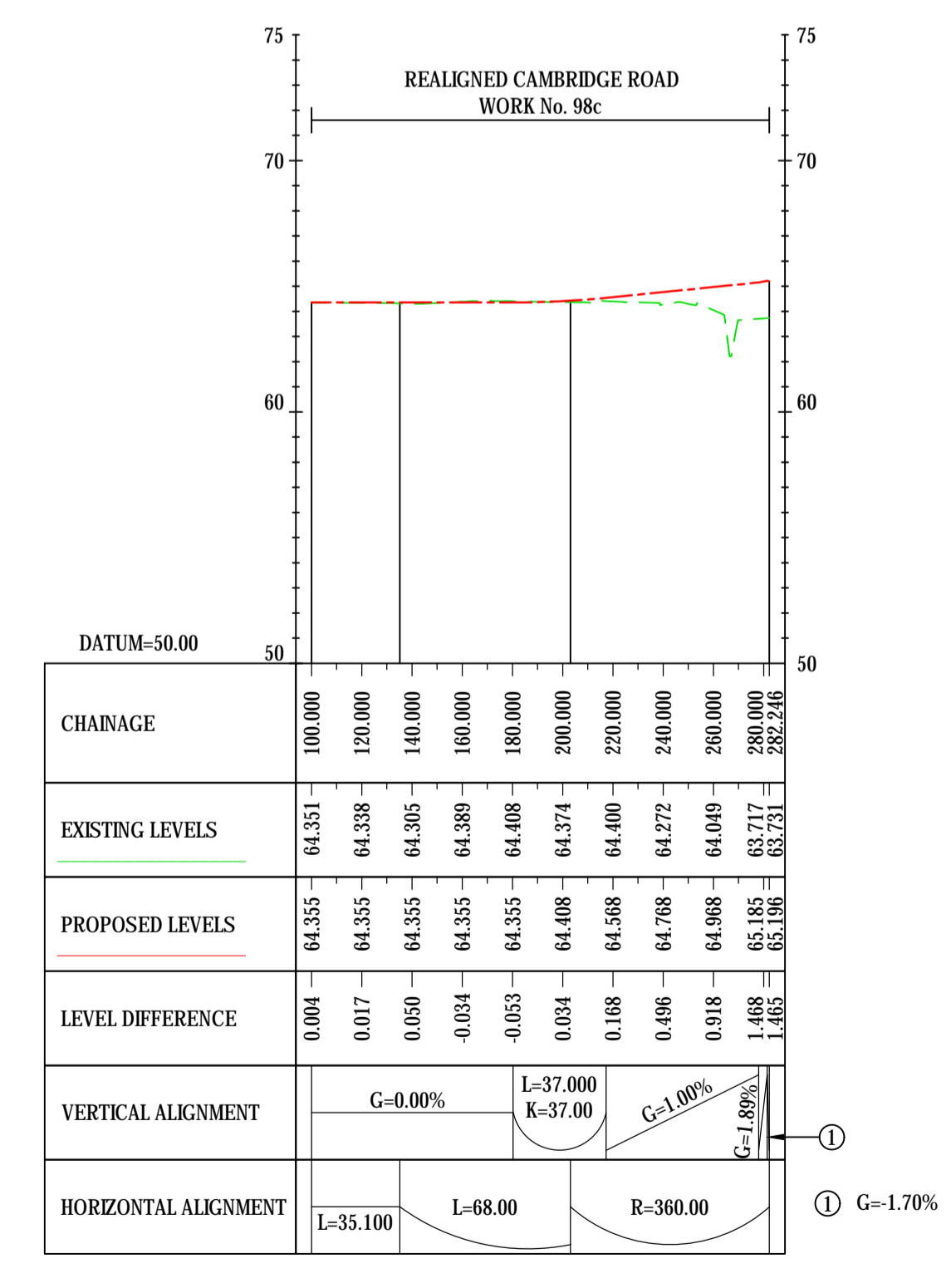
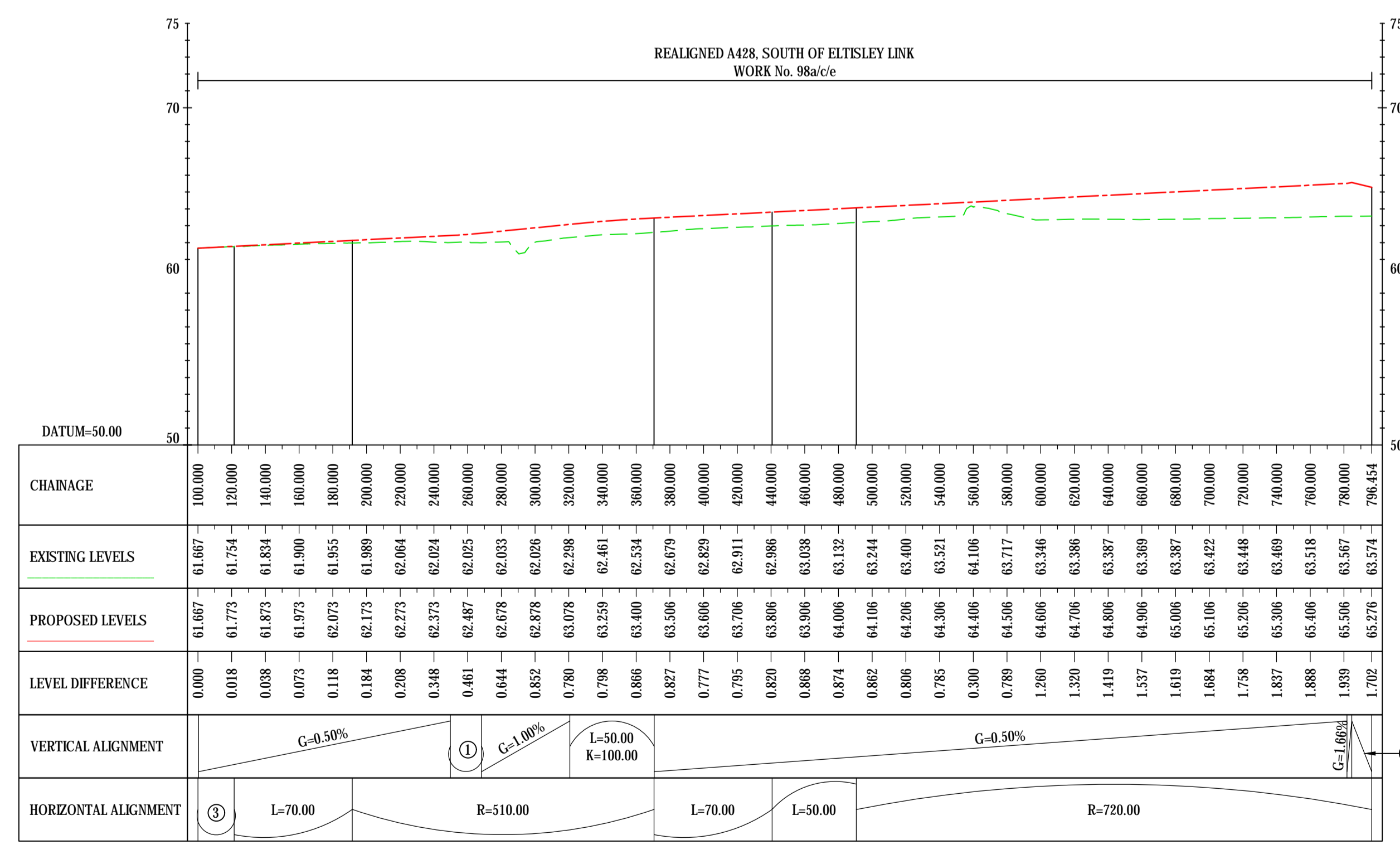
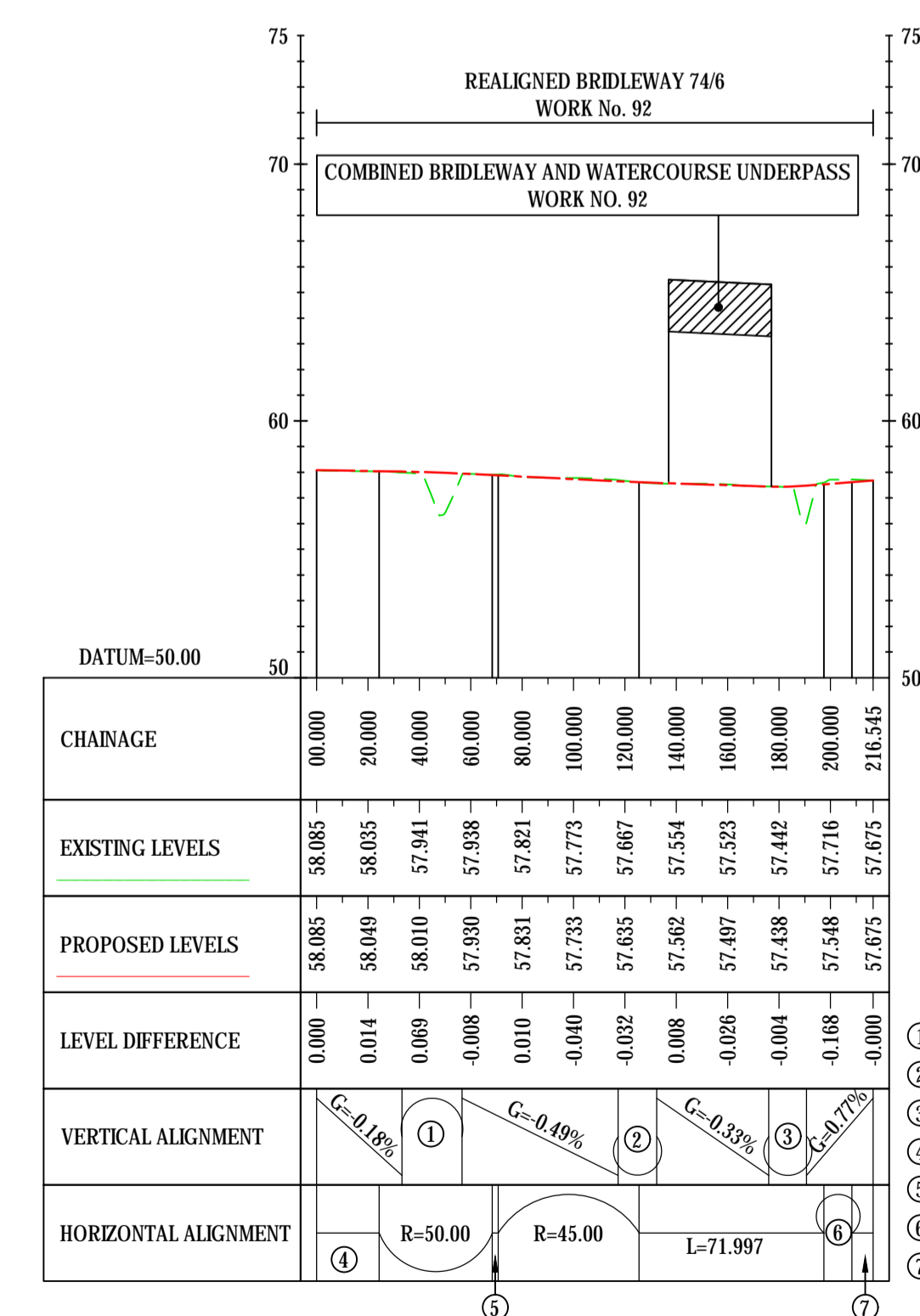


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- KEY**
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT



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Final for DCO Application	WV	03/02/21	P04
Revision Details	By	Date	Suffix
Check			

DCO APPLICATION

Client: Highways England
 Woodlands
 Marston Lane
 Marston Industrial Estate
 Bedford
 MK41 7LW

Development Consent Order Number: **TR010044**

Project Title: **A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS**

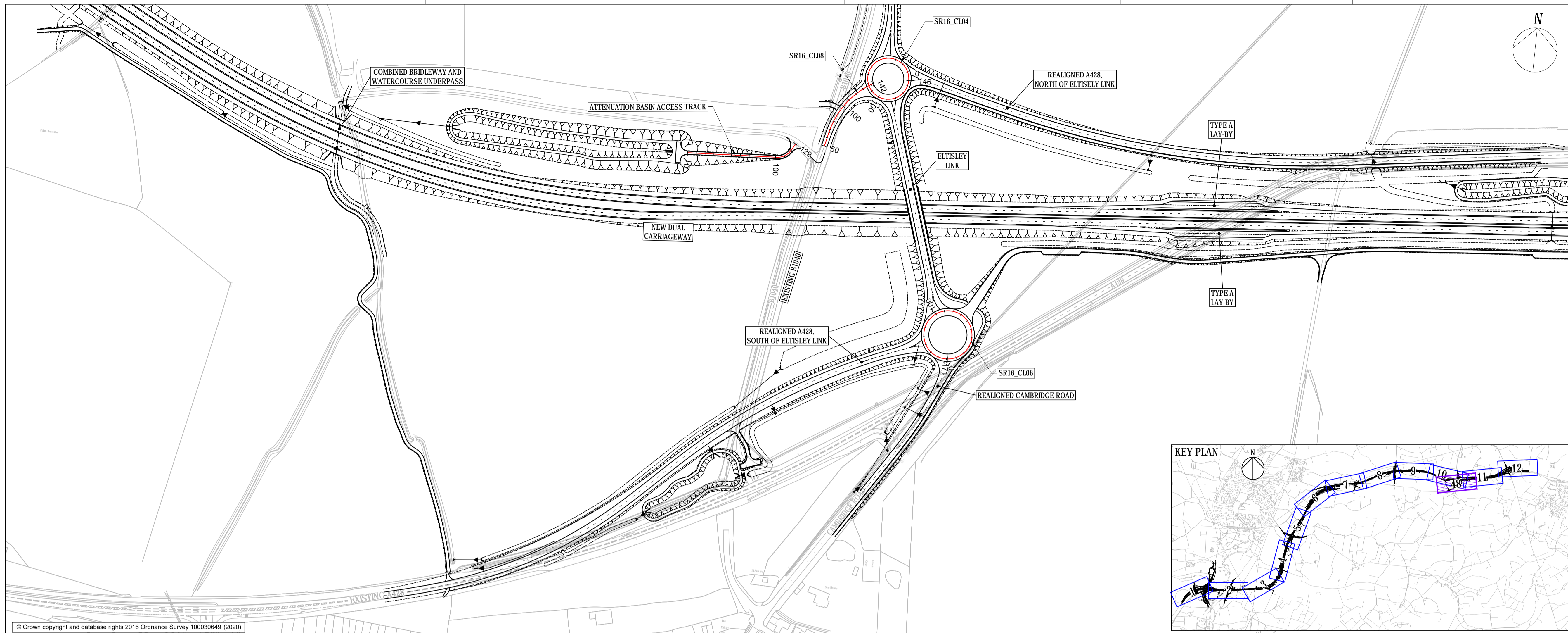
Drawing Title: **ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 47**

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
60541541				
Internal Project No.	Suitability			
60541541	D7			
Scale @ A1	Zone			
1:2500	ZN4			

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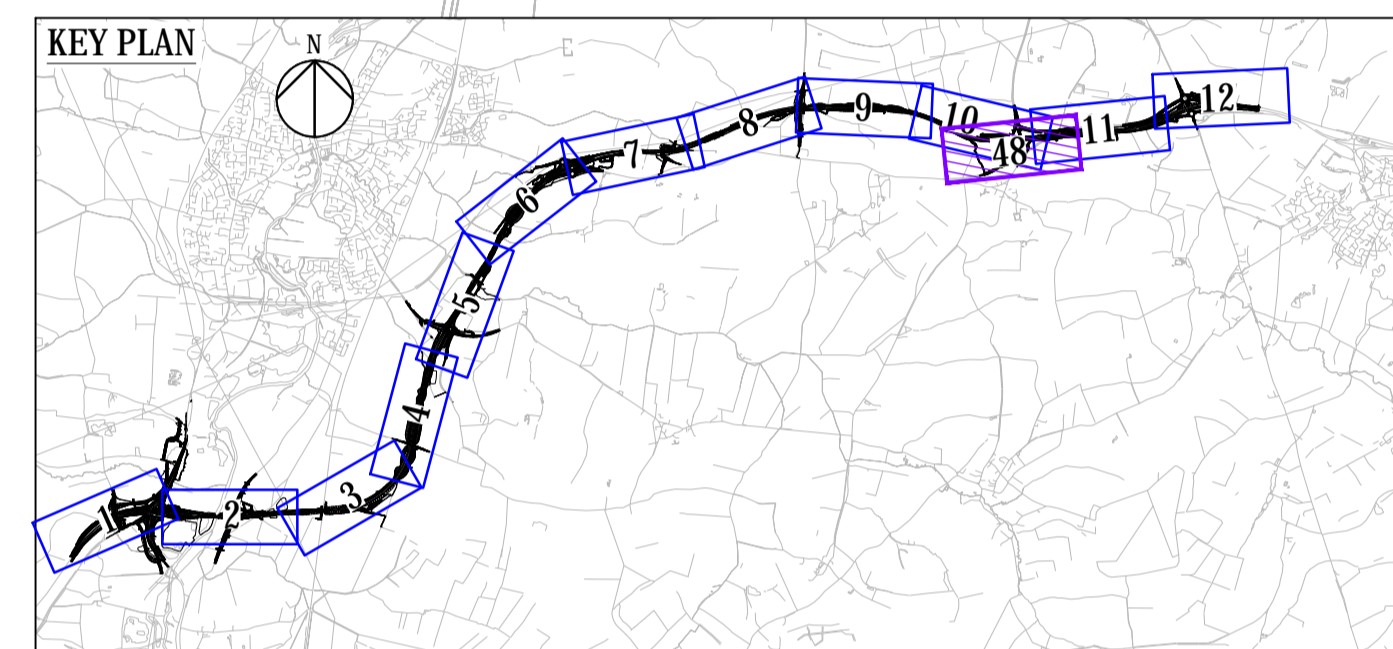
Drawing Number	Highways England PIN	I Originator	I Volume	Rev
HE551495	-ACM	-LSI	-	P04
Location	ZN4_SW_Z_ZZ	-DR-DC-2447		
	I Type	I Role	I Number	

File Name: C:\P\01000000\DCO\ELTISLEY\W01000000\HE551495-ACM-LSI-ZN4_SW_Z_ZZ-DR-DC-2447
 Plot Date: Thursday, February 11, 2021, 1:21:40 PM



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- KEY
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT



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Final for DCO Application	By	TD	03/02/21	P04
Revision Details	Check	Date	Suffix	

DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Working on behalf of
highways england

Development Consent Order Number
TR01044

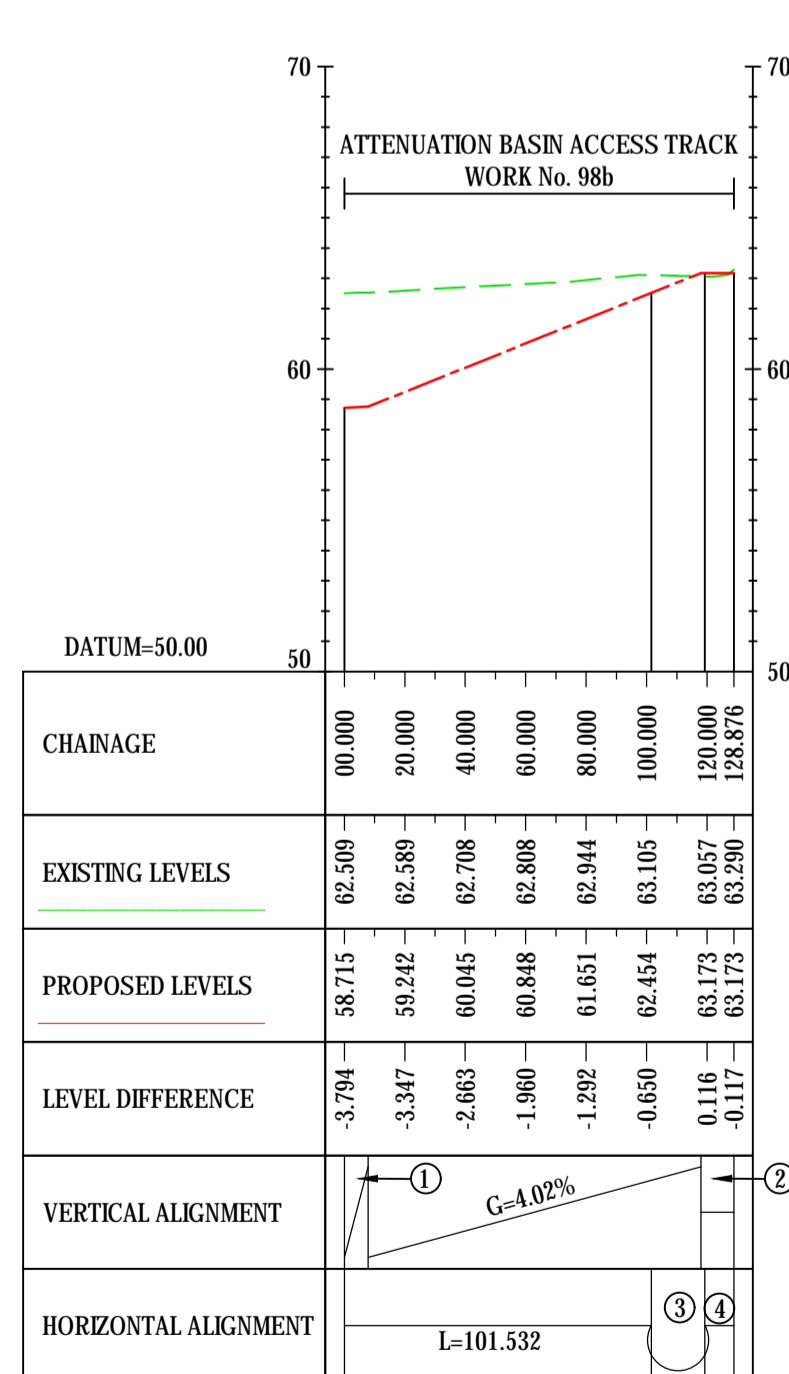
Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 48

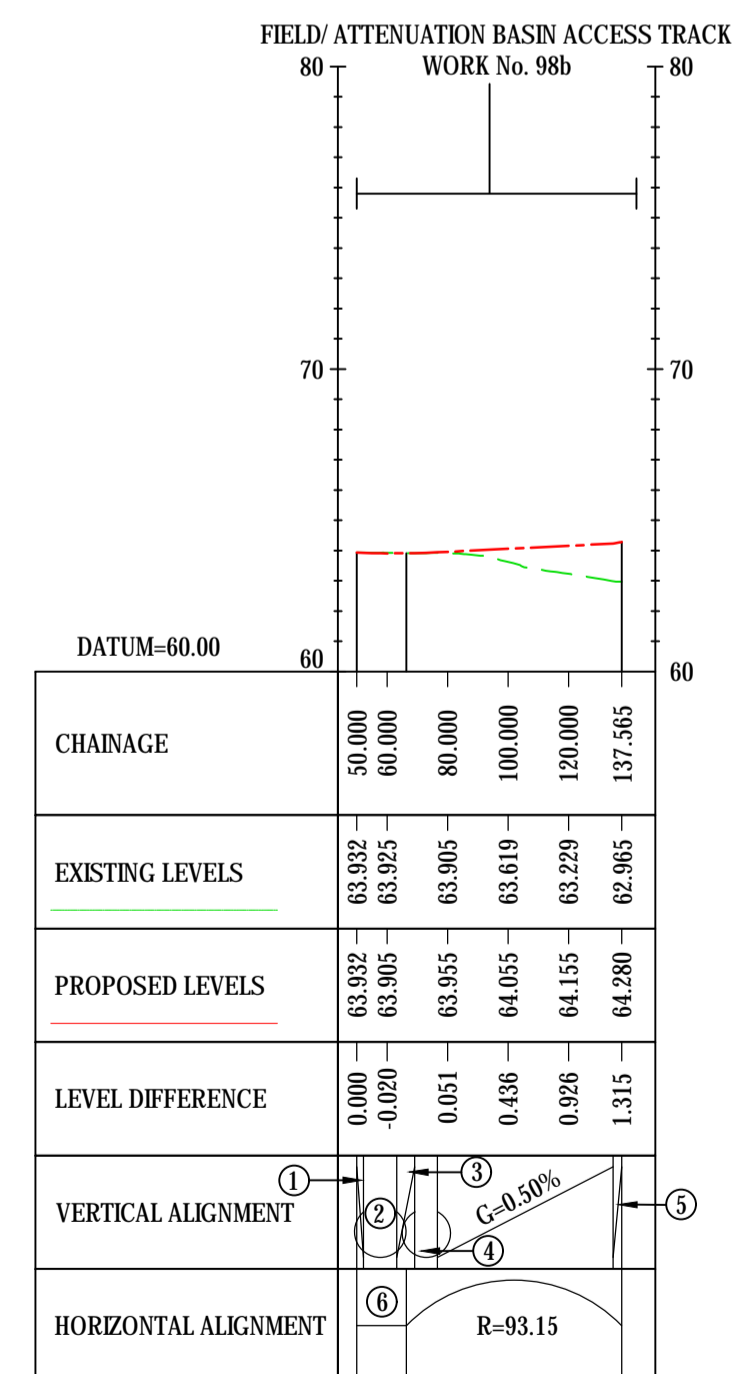
Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541			Subsidiary D7	
Scale @ A1 1:2500		Zone ZN4		

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Drawing Number HE551495	Originator -ACM	Volume -LSI	Rev P04
Location ZN4_SW_Z_ZZ -DR-DC-2448			
I Type			I Role

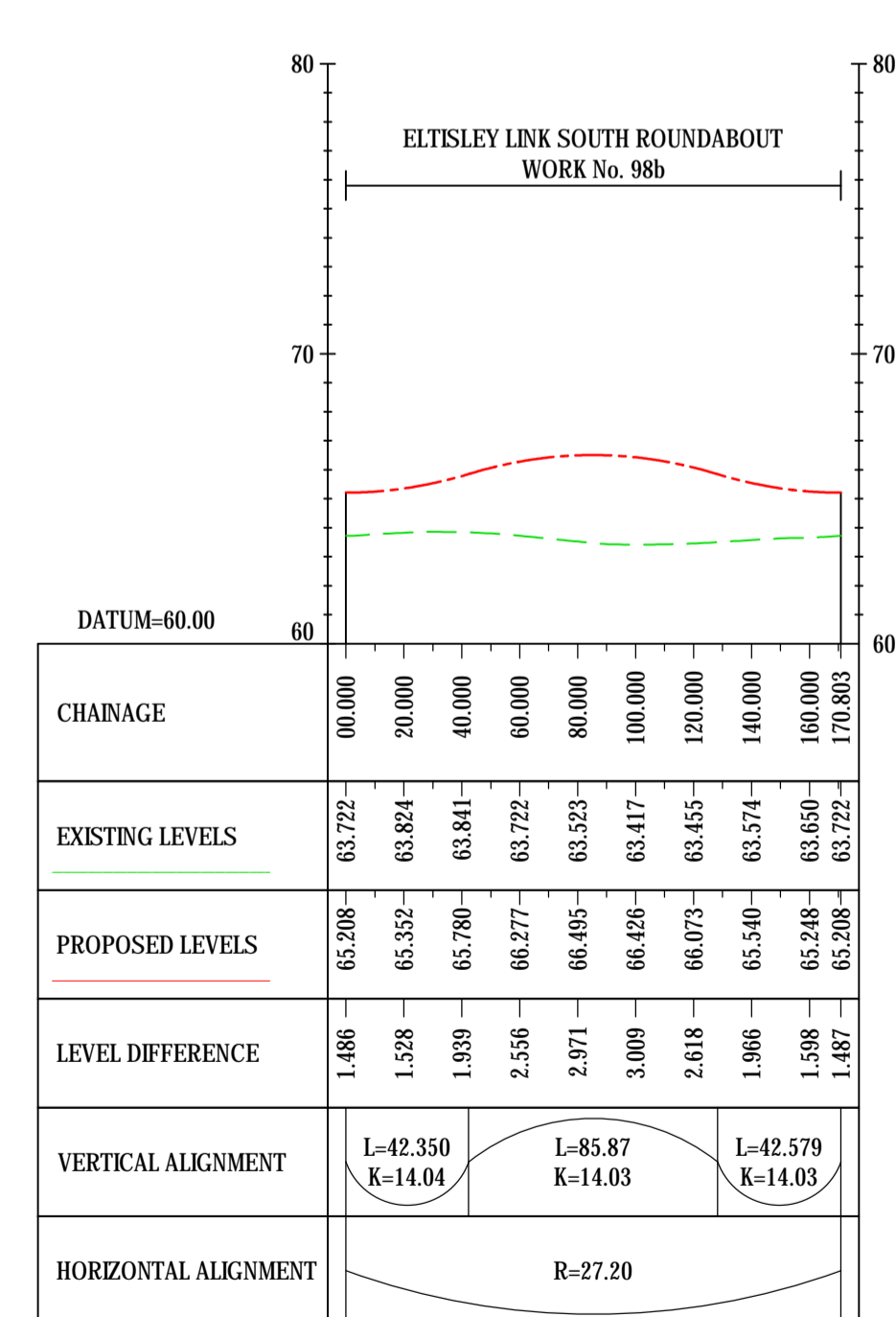


ATTENUATION BASIN ACCESS TRACK
LONGSECTION
SCALE: H 1:2500, V 1:250

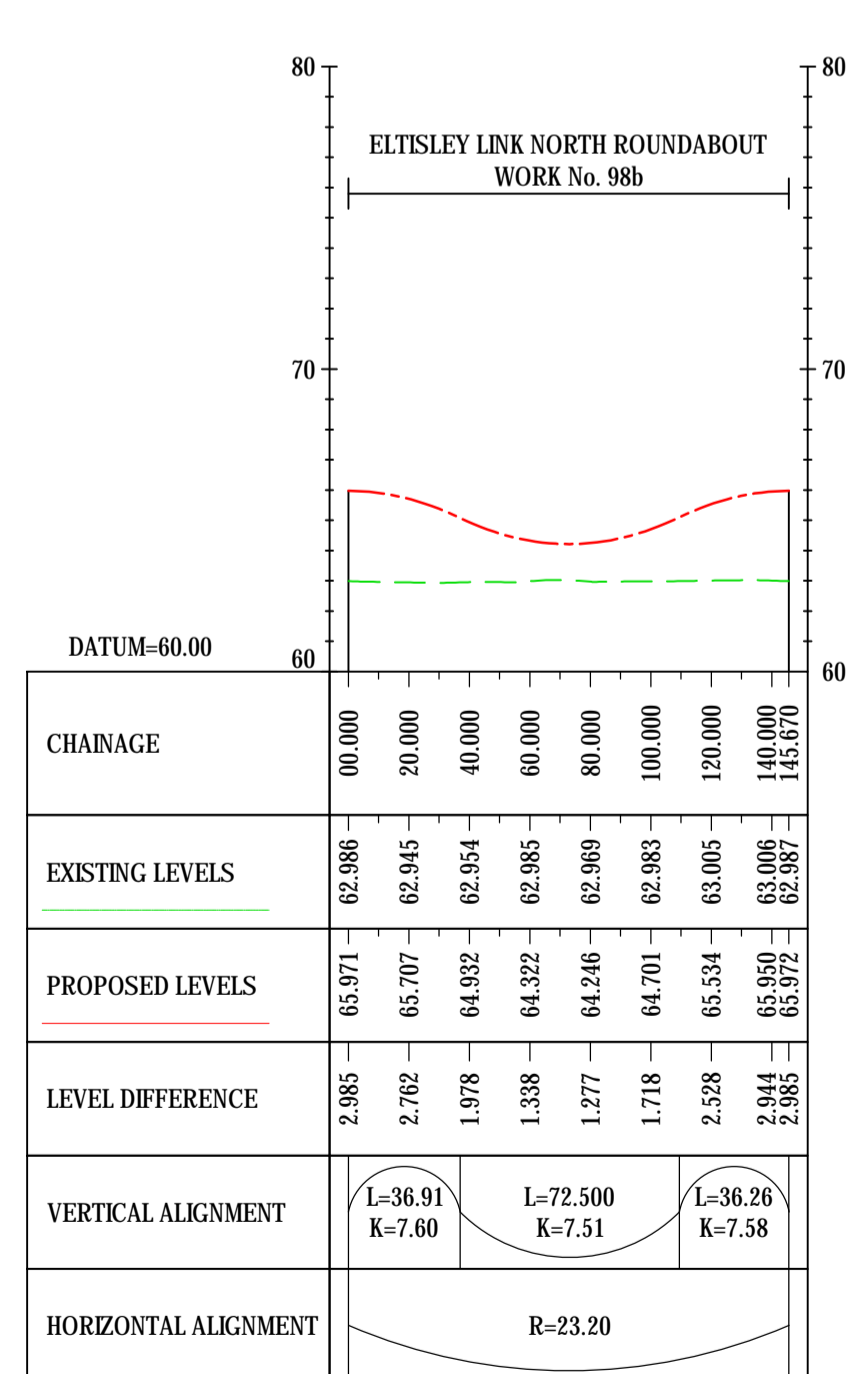


FIELD/ATTENUATION BASIN ACCESS TRACK
ALIGNMENT STRING NAME: SR16_CL08
LONGSECTION
SCALE: H 1:2500, V 1:250

- ① G=0.42%
- ② K=20.00
- ③ G=0.13%
- ④ K=20.00
- ⑤ G=1.80%
- ⑥ L=16.348

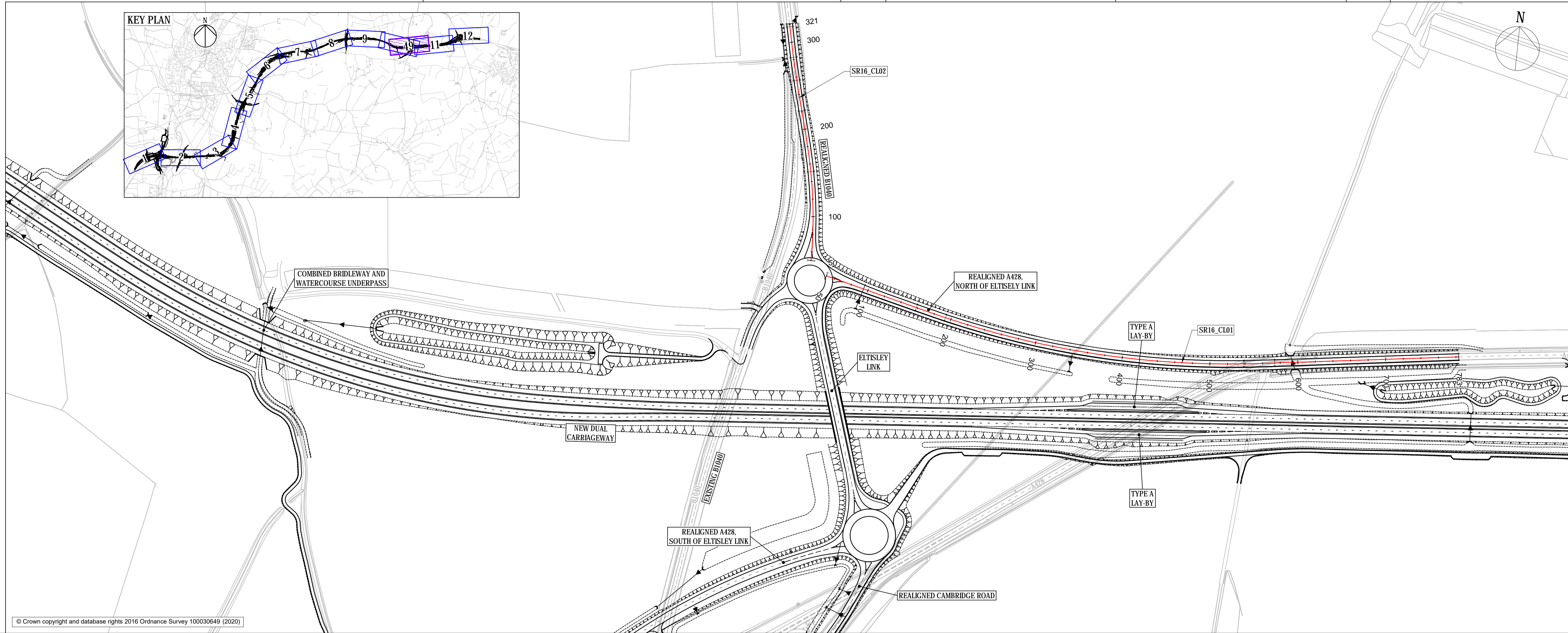
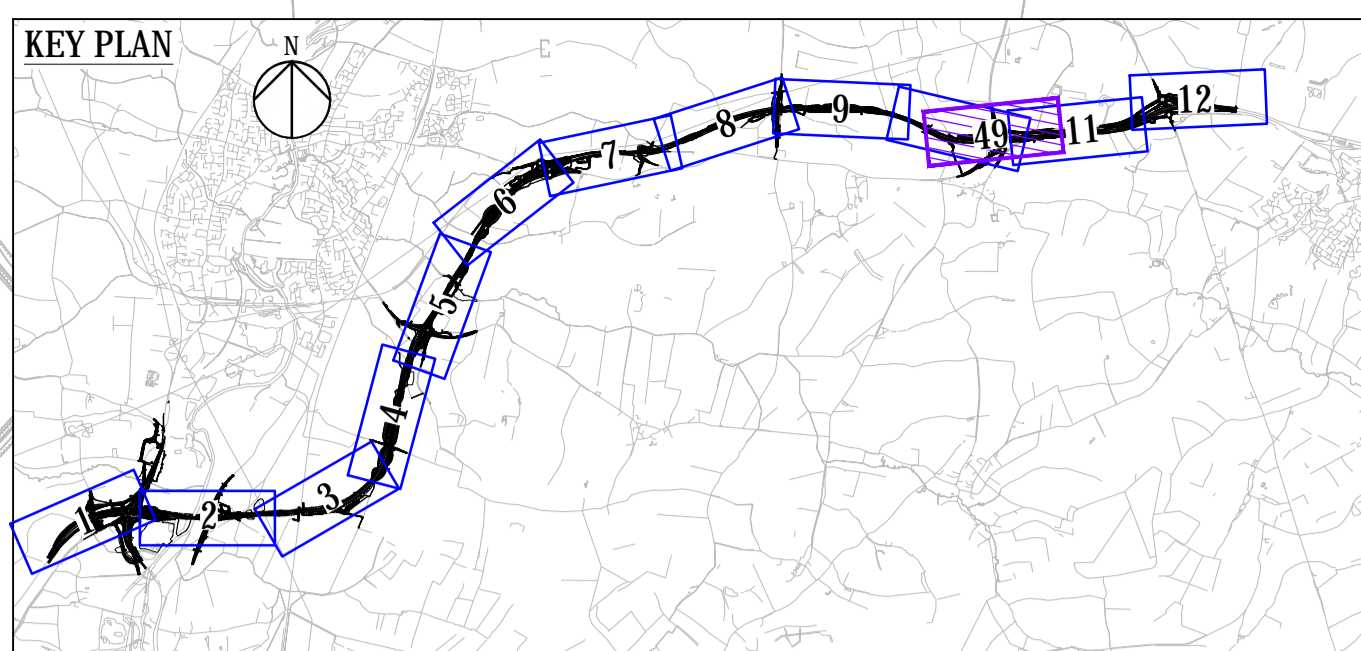


ELTISLEY LINK SOUTH ROUNDABOUT
ALIGNMENT STRING NAME: SR16_CL04
LONGSECTION
SCALE: H 1:2500, V 1:250



ELTISLEY LINK NORTH ROUNDABOUT
ALIGNMENT STRING NAME: SR16_CL04
LONGSECTION
SCALE: H 1:2500, V 1:250

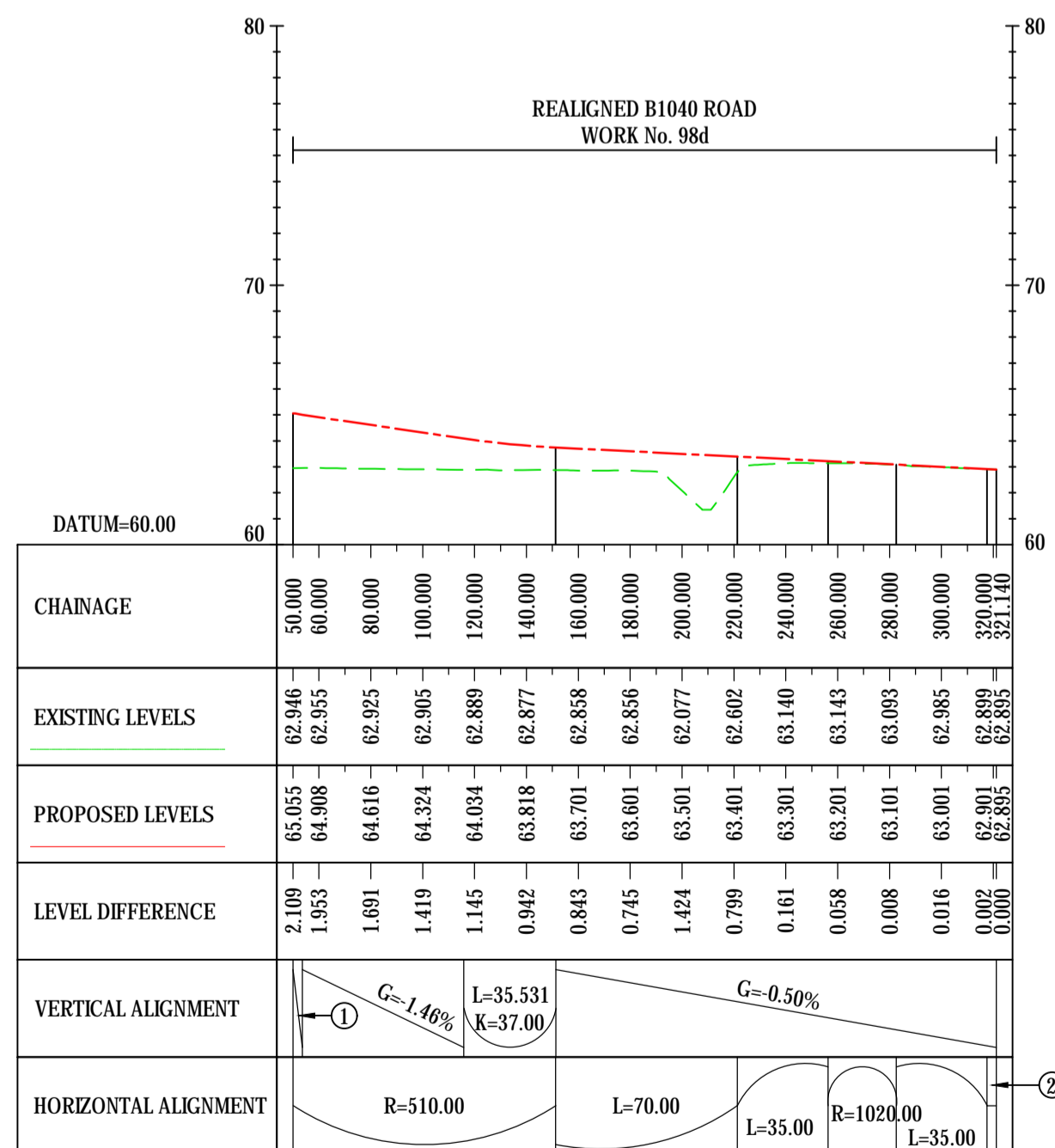
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- KEY**
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT

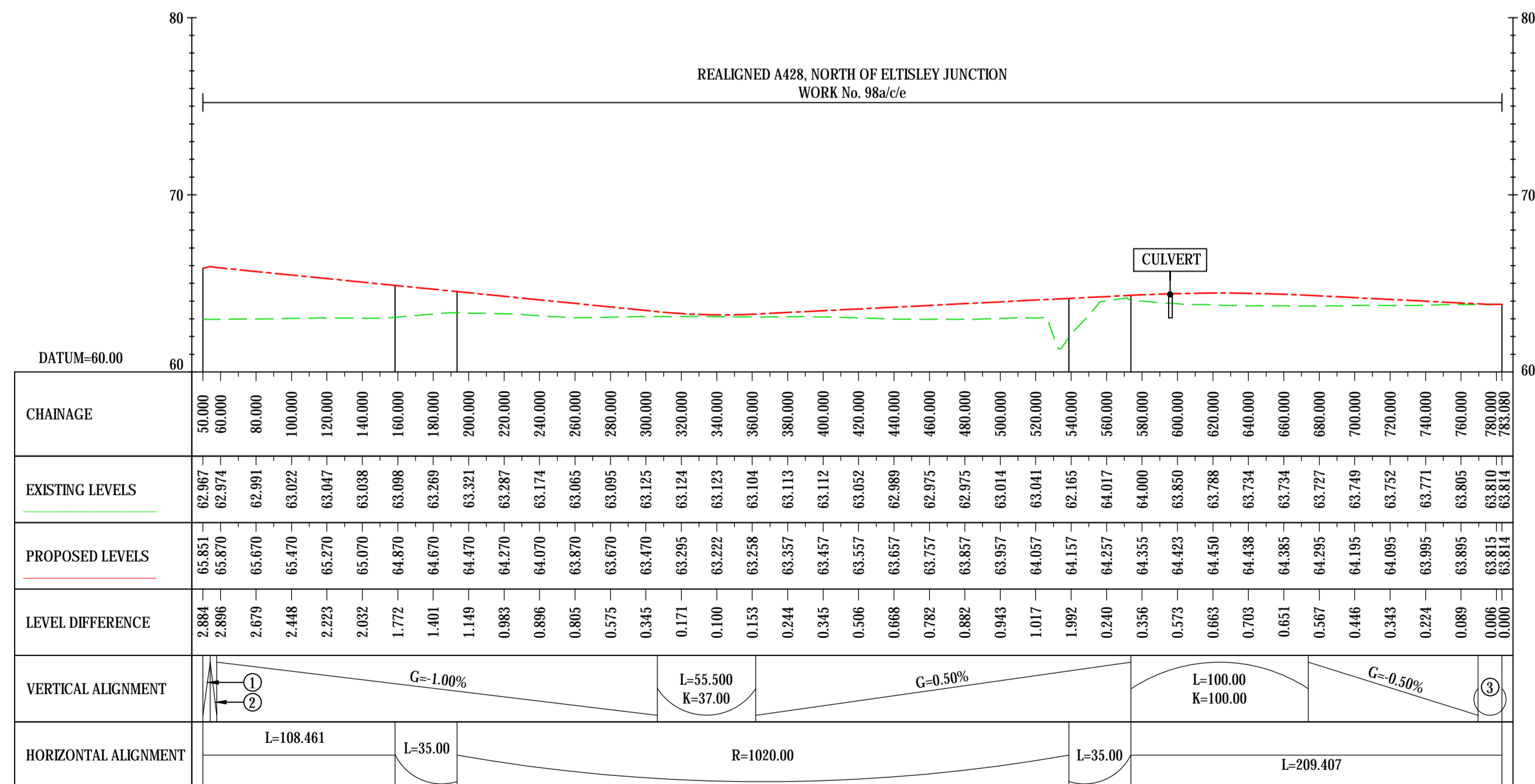
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REALIGNED B1040 ROAD
ALIGNMENT STRING NAME : SR16_CL02

- ① G=-1.92%
- ② L=3.541

LONGSECTION
SCALE: H 1:2500, V 1:250



REALIGNED A428, NORTH OF ELTISLEY JUNCTION
ALIGNMENT STRING NAME : SR16_CL01

- ① G=2.45%
- ② G=-1.50%
- ③ K=26.00

LONGSECTION
SCALE: H 1:2500, V 1:250

Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix

DCO APPLICATION

Client
Highways England
Woodlands
Manton Industrial Estate
Bedford
MK41 7LW



Development Consent Order Number
TR01044

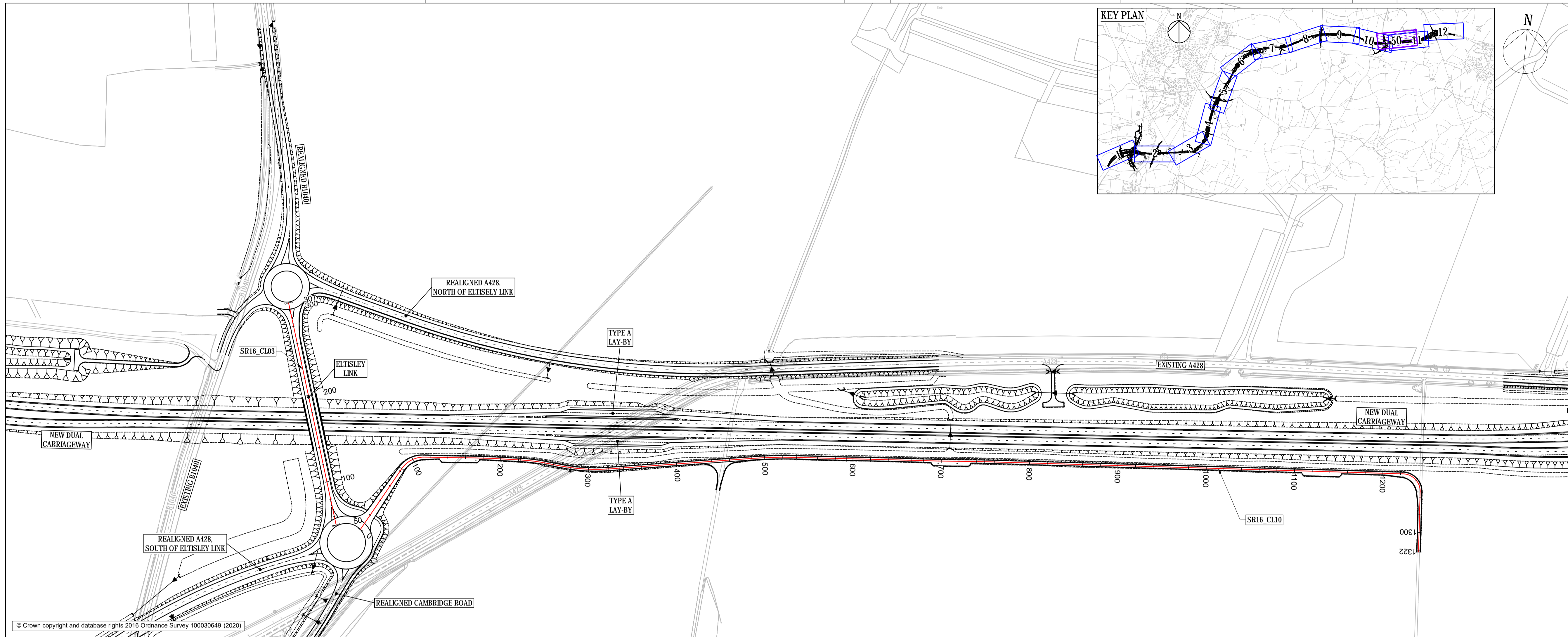
Project Title
A428 BLACK CAT TO
CAXTON GIBBET
IMPROVEMENTS

ENGINEERING SECTIONS
(PLAN AND PROFILES)
REGULATION 5(2)(O) & 6(2)
SHEET 49

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Subsidiary D7	Scale @ A1 1:2500	Zone ZN4	

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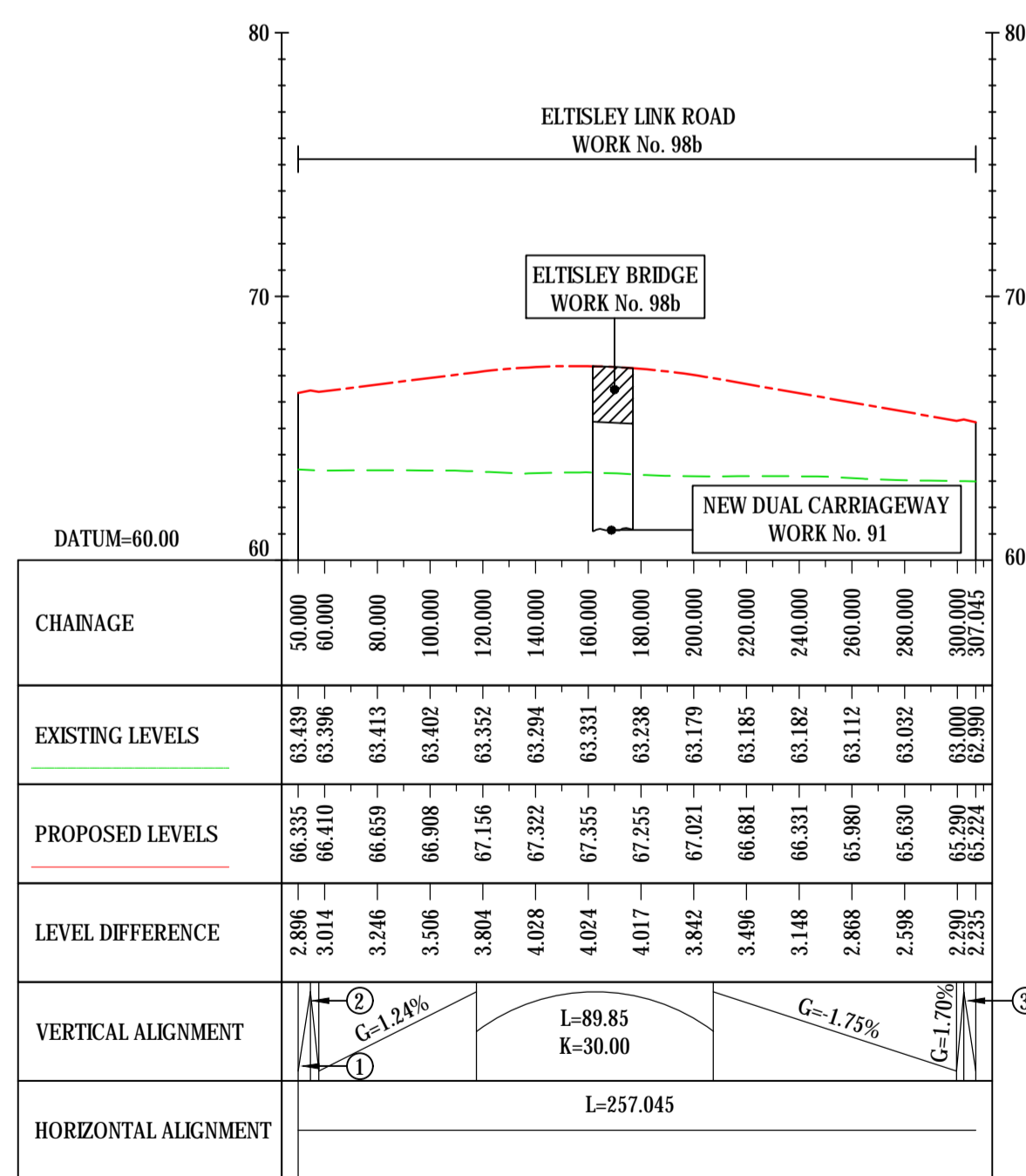
Drawing Number HE551495 - ACM - LSI -	Originator Z4	I Number - DR - DC - 2449	Rev P04
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- KEY**
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT

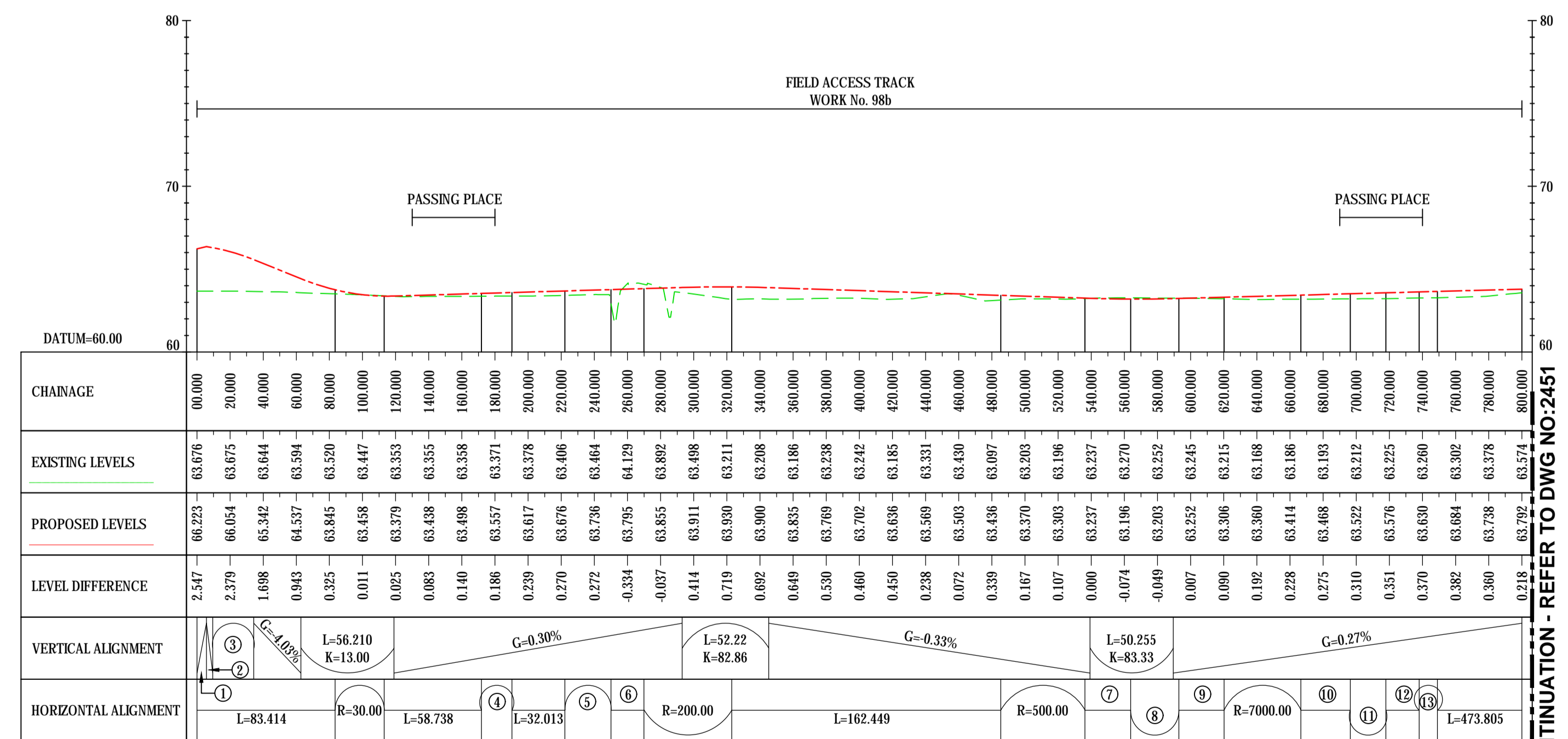
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ELTISLEYS LINK ROAD
ALIGNMENT STRING NAME: SR16_CL03

LONGSECTION
SCALE: H 1:2500, V 1:250

① G=-2.19%
② G=-1.72%
③ G=2.40%



FIELD ACCESS TRACK
ALIGNMENT STRING NAME: SR16_CL10

LONGSECTION (PART 1 OF 2)
SCALE: H 1:2500, V 1:250

① G=-2.30% ④ R=500.00 ⑦ L=27.593 ⑩ L=29.831 ⑬ R=500.00
② G=-1.77% ⑤ R=200.00 ⑧ R=5000.00 ⑪ R=1000.00
③ K=11.00 ⑥ L=19.943 ⑨ L=27.307 ⑫ L=20.155

CONTINUATION - REFER TO DWG NO:2451

Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix

DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Working on behalf of
highways england

Development Consent Order Number
TR01044

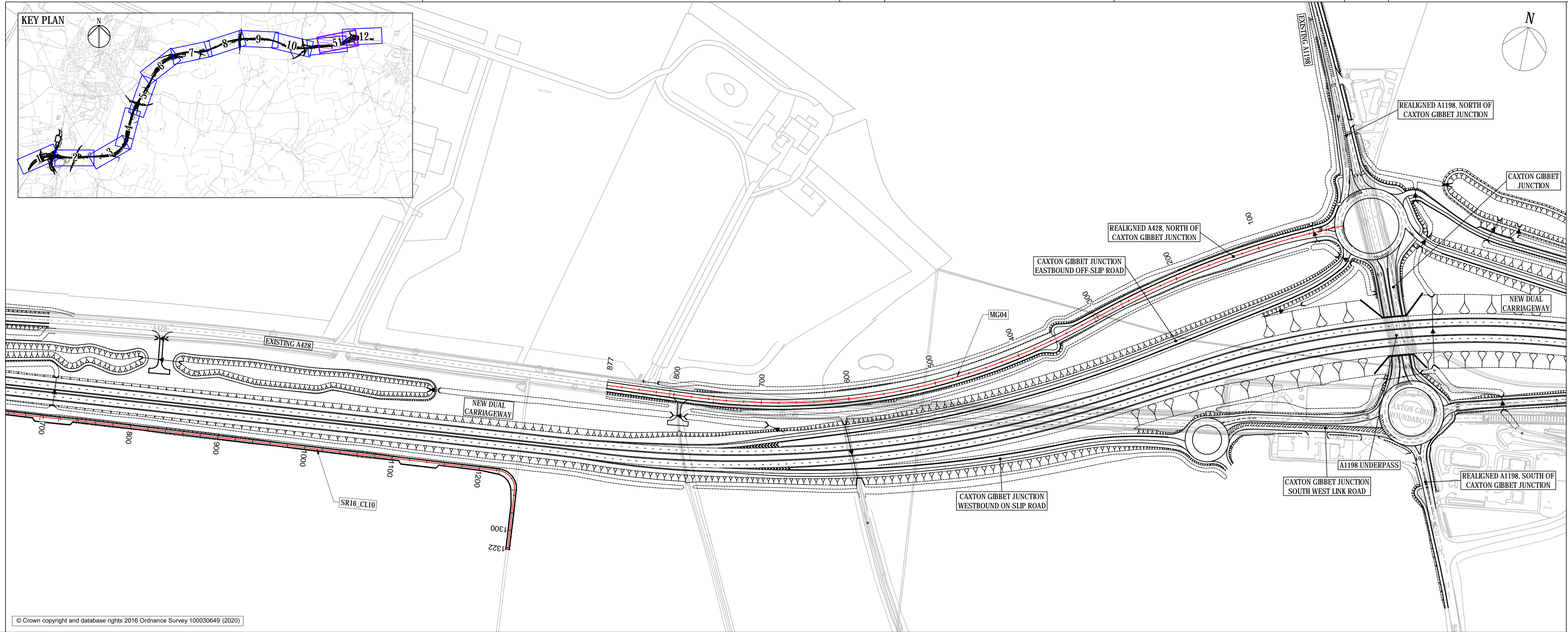
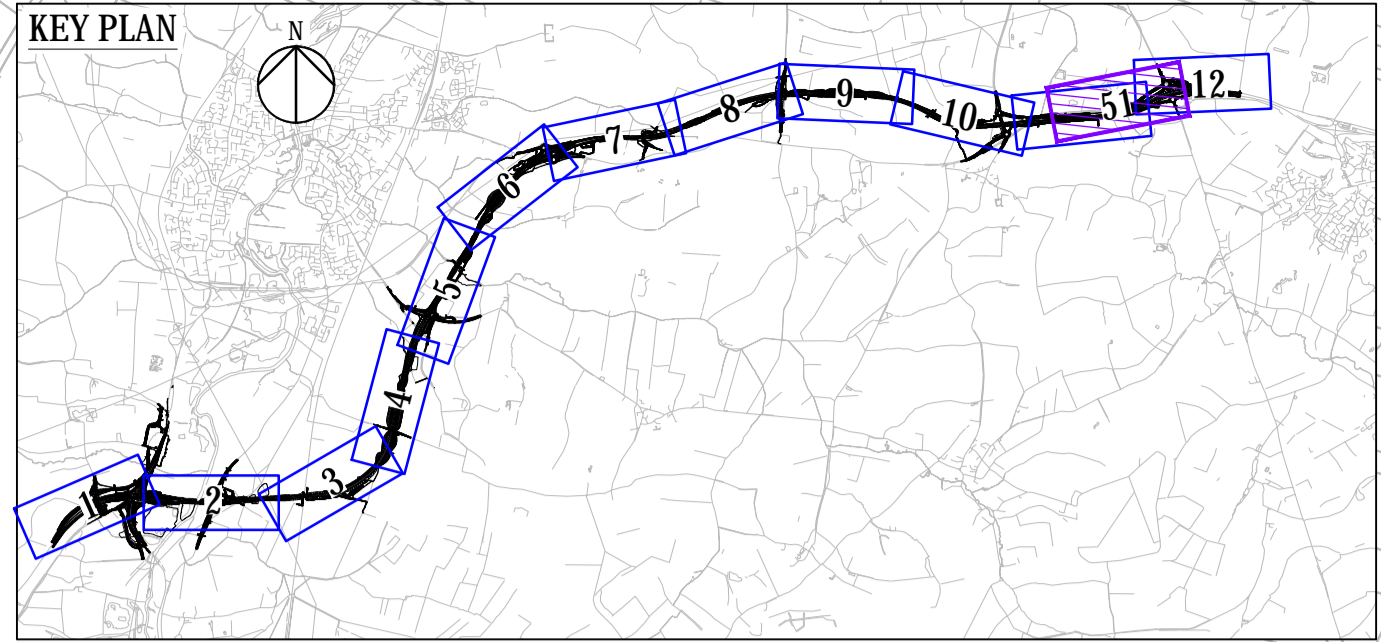
Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 50

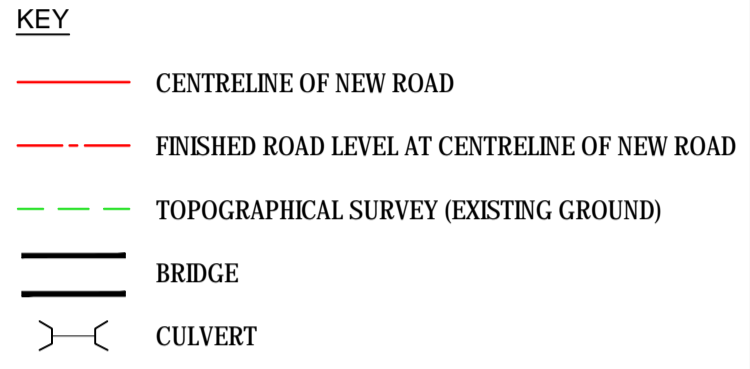
Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Suitability D7	Scale @ A1 1:2500		
Zone ZN4		THIS DOCUMENT HAS BEEN PREPARED PURSUANT TO AND SUBJECT TO THE TERMS OF AECOM'S APPOINTMENT BY ITS CLIENT. AECOM ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN BY ITS ORIGINAL CLIENT OR FOLLOWING AECOM'S EXPRESS AGREEMENT TO SUCH USE, AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND PROVIDED.		

Drawing Number HE551495 - ACM -LSI -	Location ZN4_SW_Z_ZZ -DR -DC-2450	Rev P04
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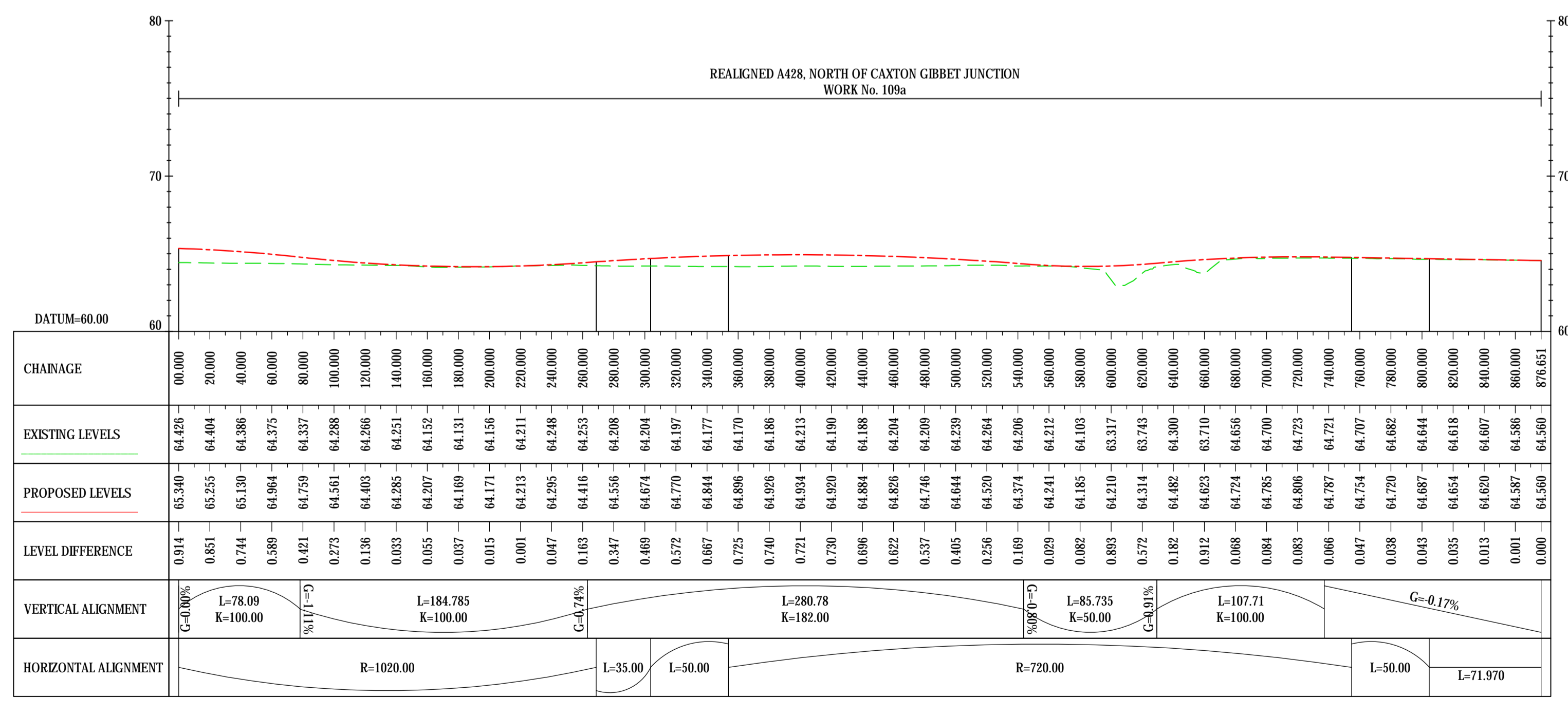
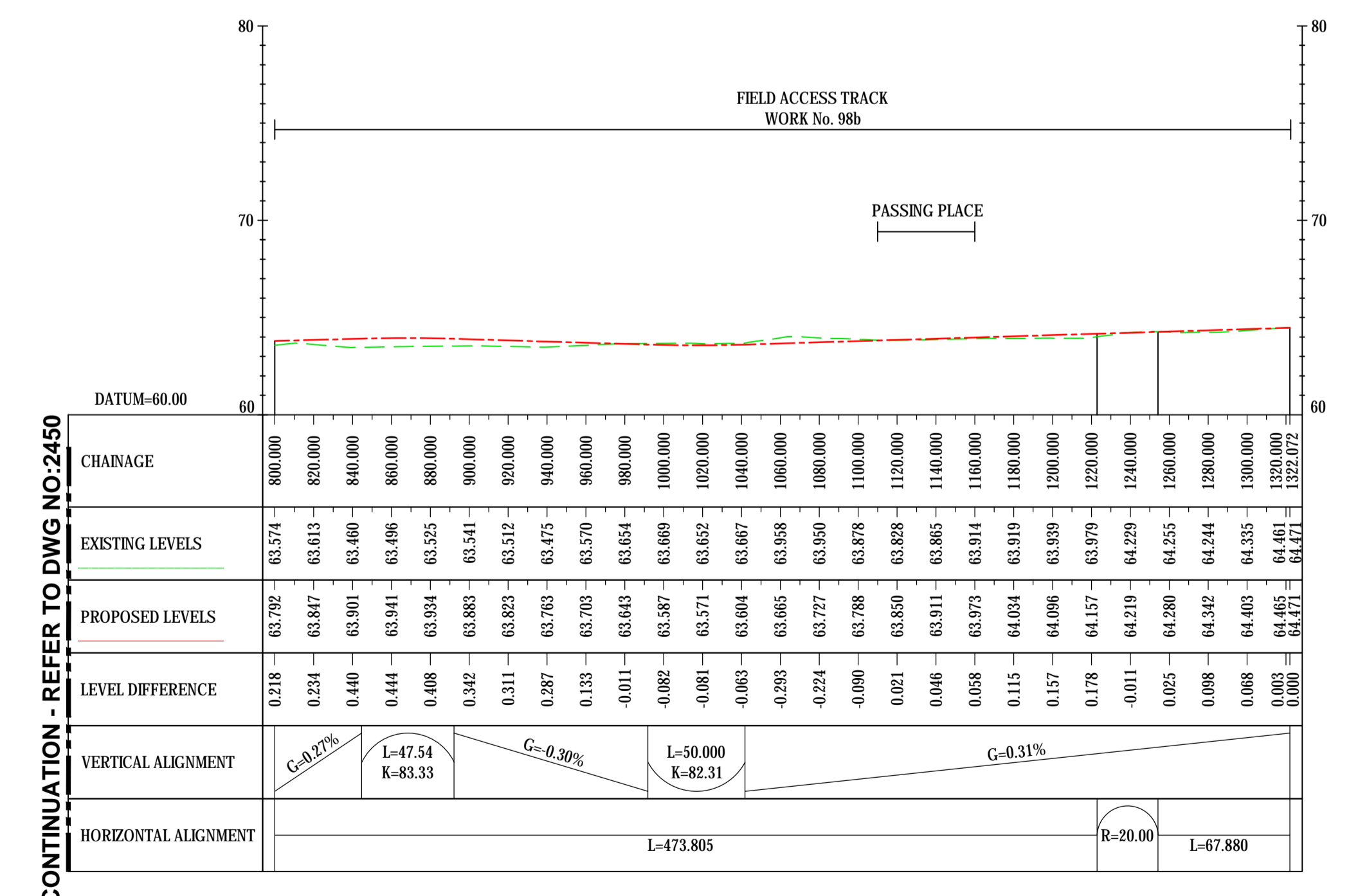
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REALIGNED A428, NORTH OF CAXTON GIBBET JUNCTION
ALIGNMENT STRING NAME : MG04

LONGSECTION
SCALE: H 1:250,V 1:250

CONTINUATION - REFER TO DWG NO:2450

LONGSECTION (PART 2 OF 2)
SCALE: H 1:250,V 1:250

Final for DCO Application	WV	03/02/21	P04
Revision Details	By	Date	Suffix
	Check		

DCO APPLICATION

Client: Highways England
Woodlands, Manton Lane, Manton Industrial Estate, Bedford MK41 7LW

Development Consent Order Number: **TR01044**

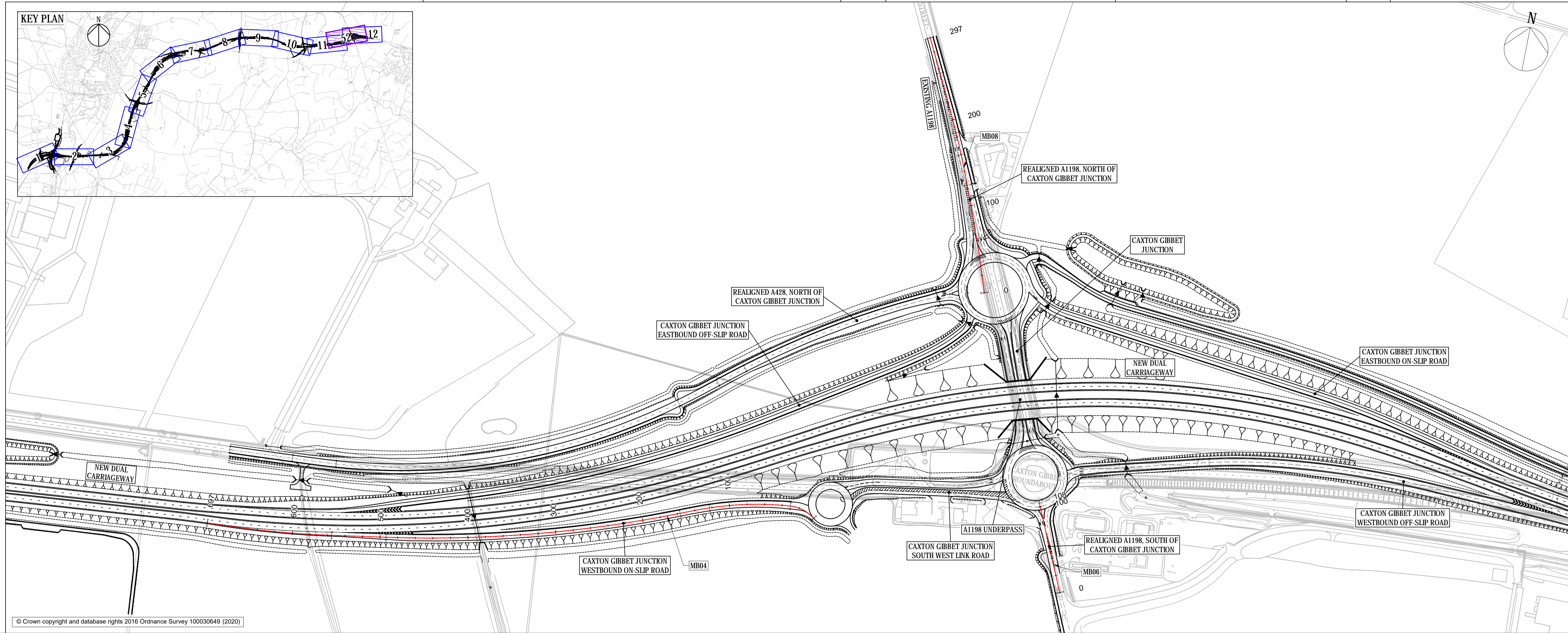
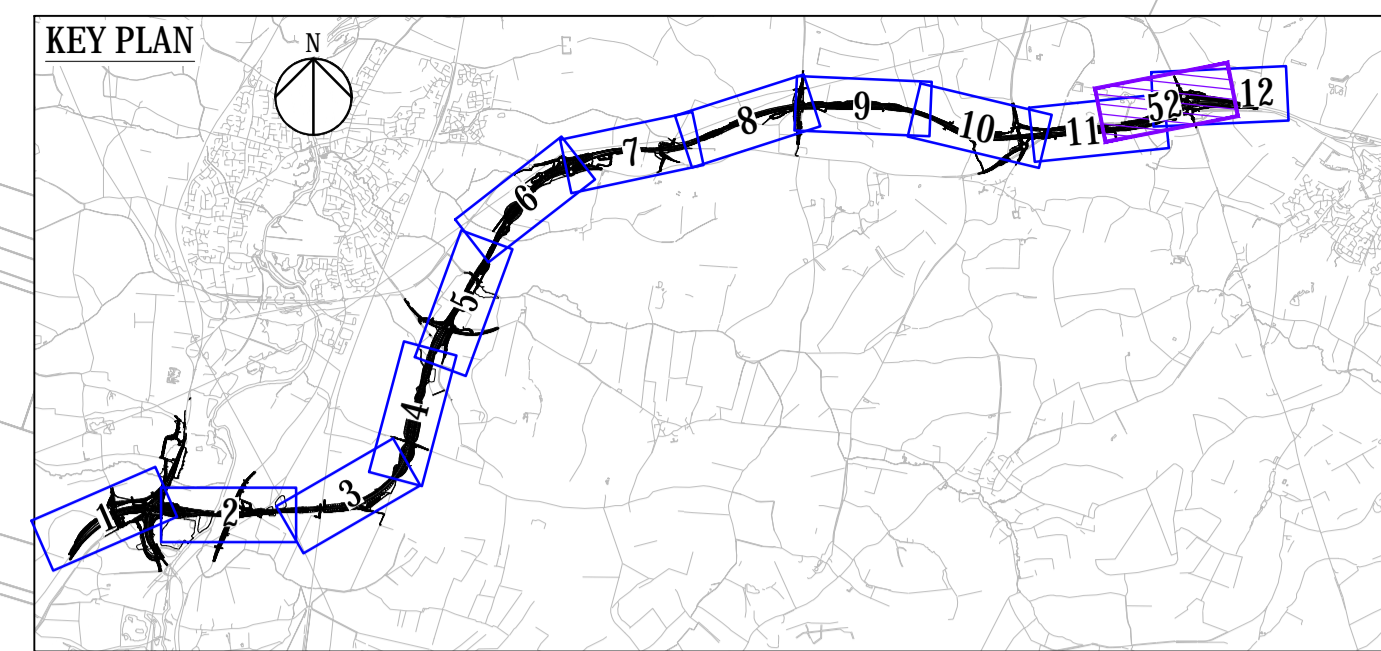
Project Title: **A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS**

Drawing Title: **ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 51**

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Suitability D7	Scale @ A1 1:2500	Zone ZN5	

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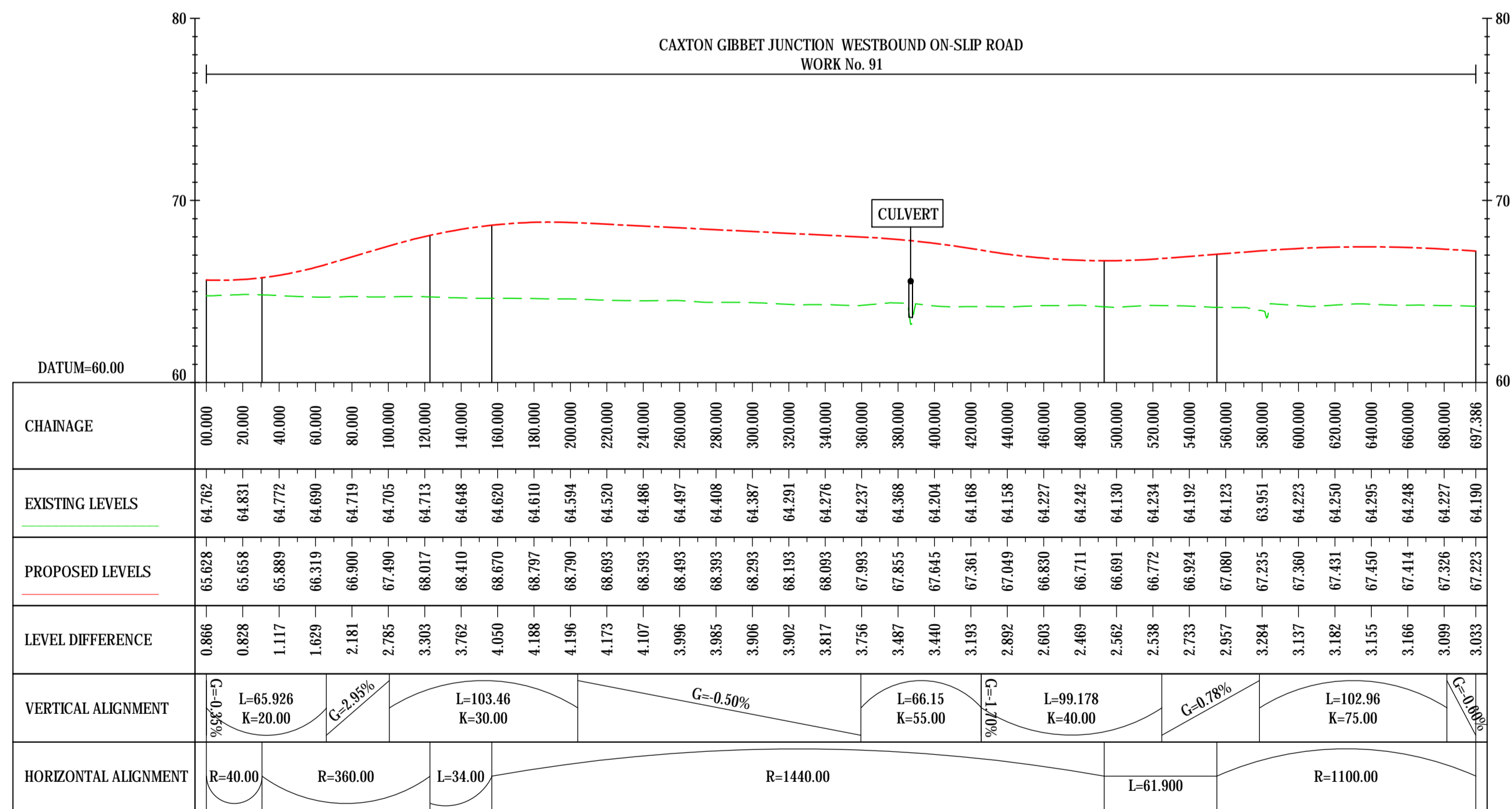
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Location: ZN5_SW_Z_ZZ	I Type: -DR	I Role: -DC	I Number: 2451	



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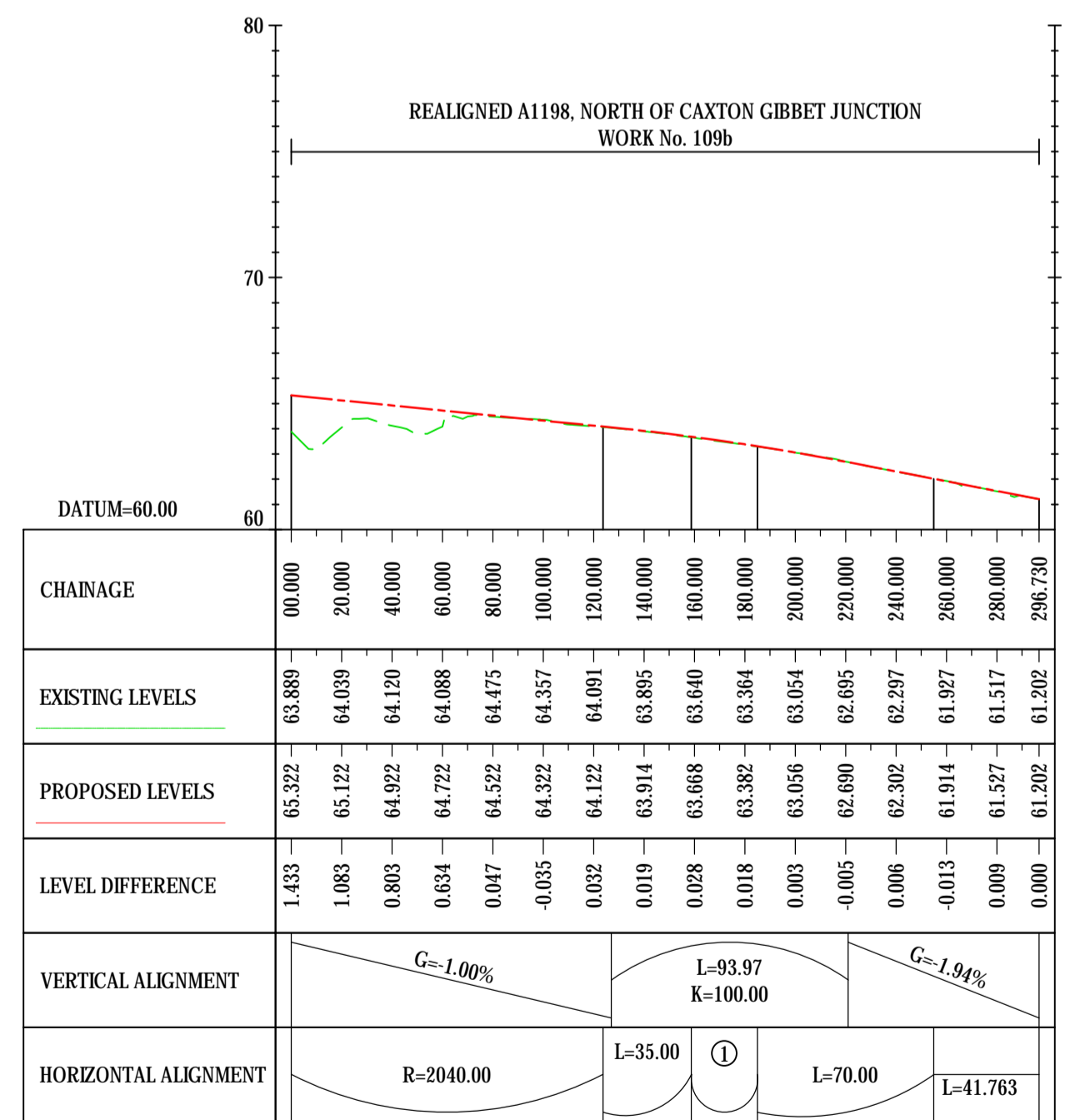
- KEY**
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT

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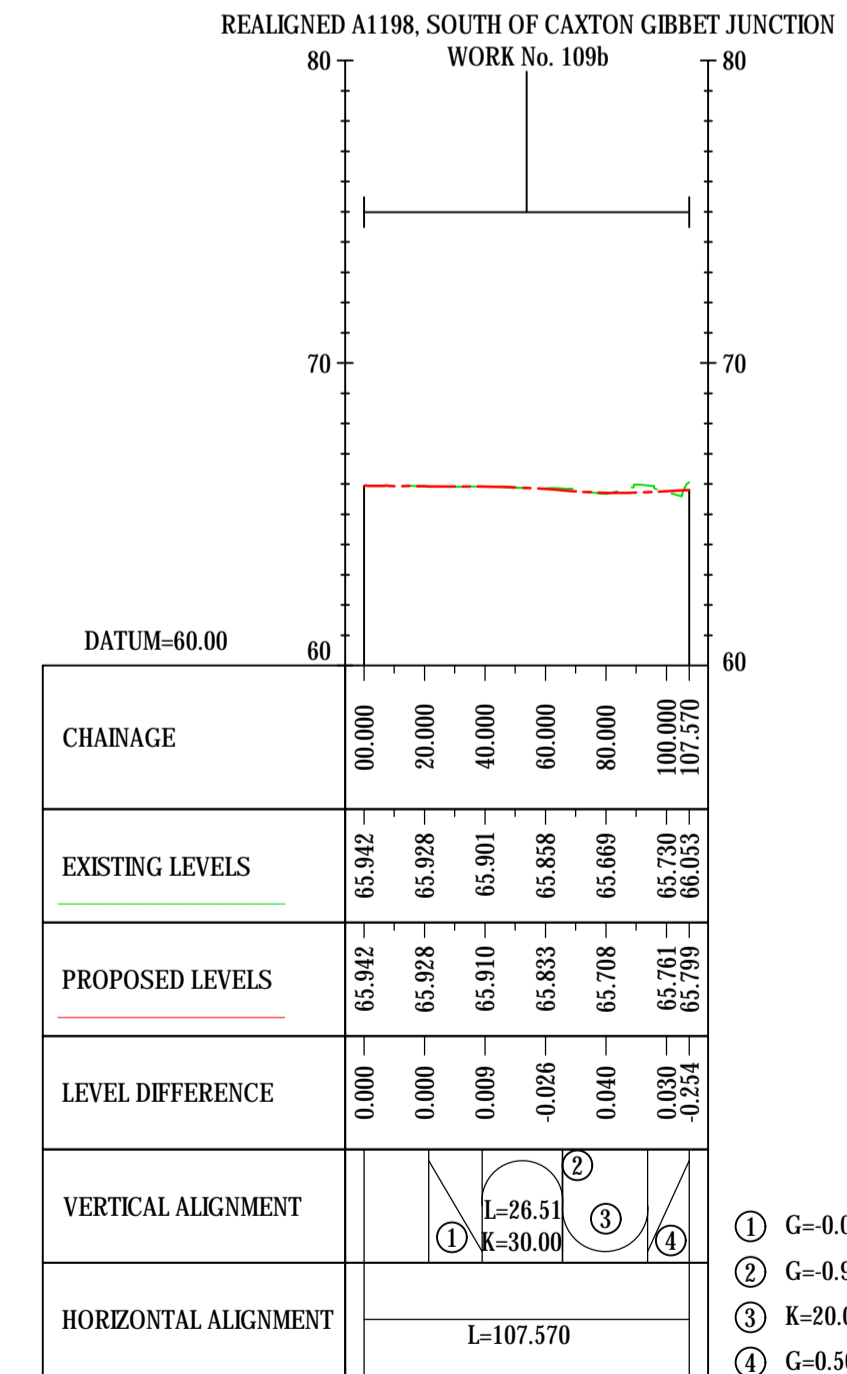
CAXTON GIBBET JUNCTION WESTBOUND ON-SLIP ROAD
ALIGNMENT STRING NAME: MB04

LONGSECTION
SCALE: H 1:2500, V 1:250



REALIGNED A1198, NORTH OF CAXTON GIBBET JUNCTION
ALIGNMENT STRING NAME: MB08

LONGSECTION
SCALE: H 1:2500, V 1:250



REALIGNED A1198, SOUTH OF CAXTON GIBBET JUNCTION
ALIGNMENT STRING NAME: MB06

LONGSECTION
SCALE: H 1:2500, V 1:250

Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix

DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Bedford Industrial Estate
Bedford
MK41 7LW

Development Consent Order Number
TR01044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

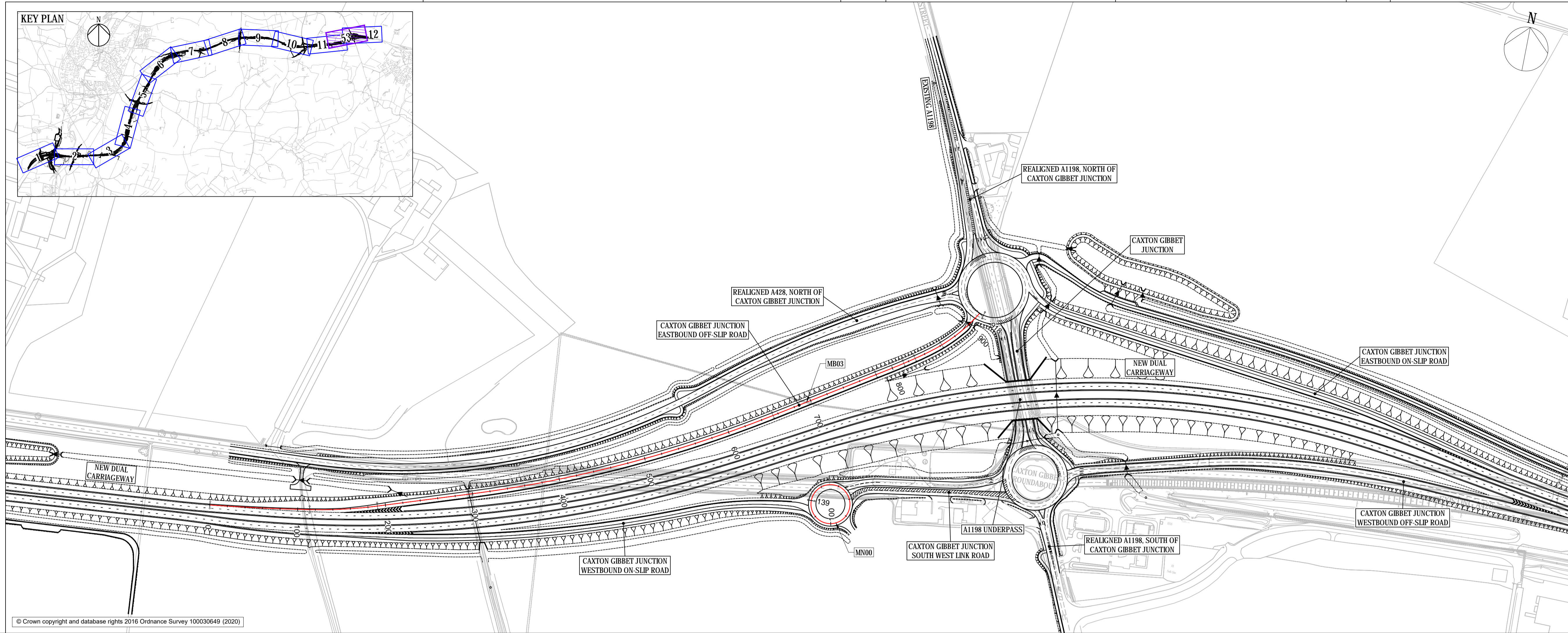
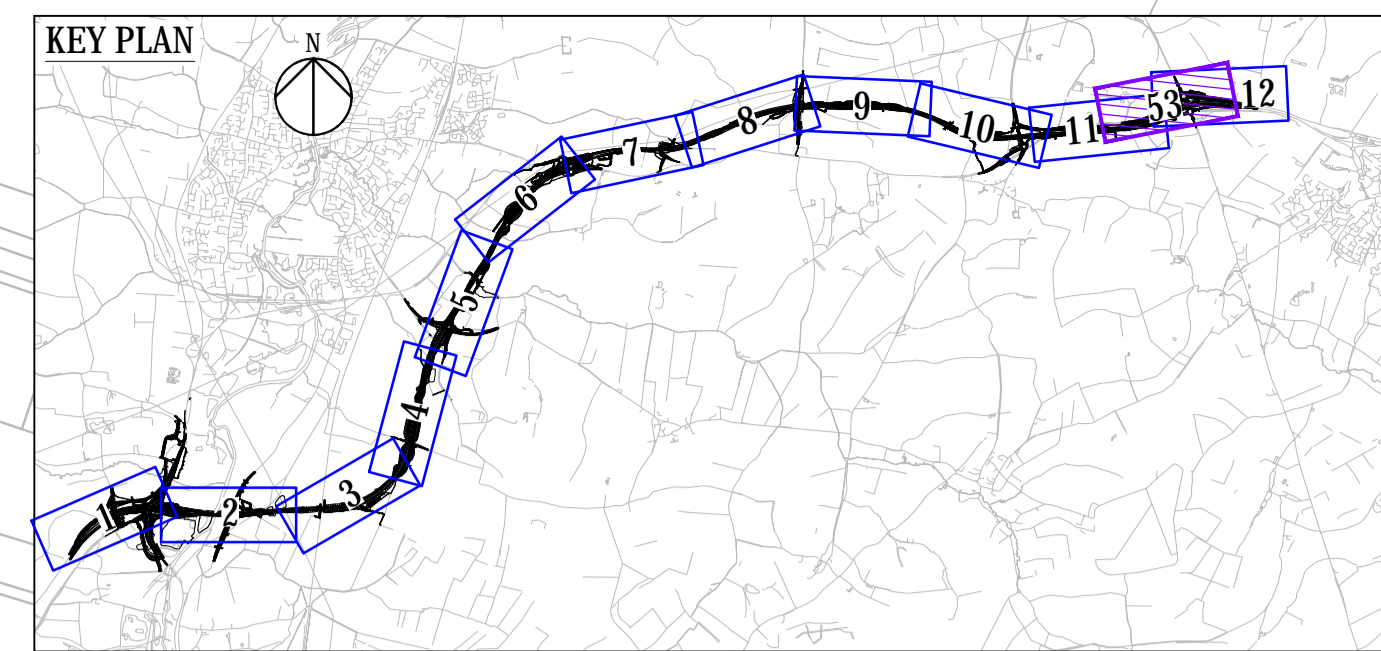
Drawing Title
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 52

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Subsidiary D7			
Scale @ A1 1:2500	Zone ZN5			

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Drawing Number HE551495 -ACM -LSI -	Originator ZN5_SW_Z_ZZ -DR -DC-2452	I Volume 1	Rev P04
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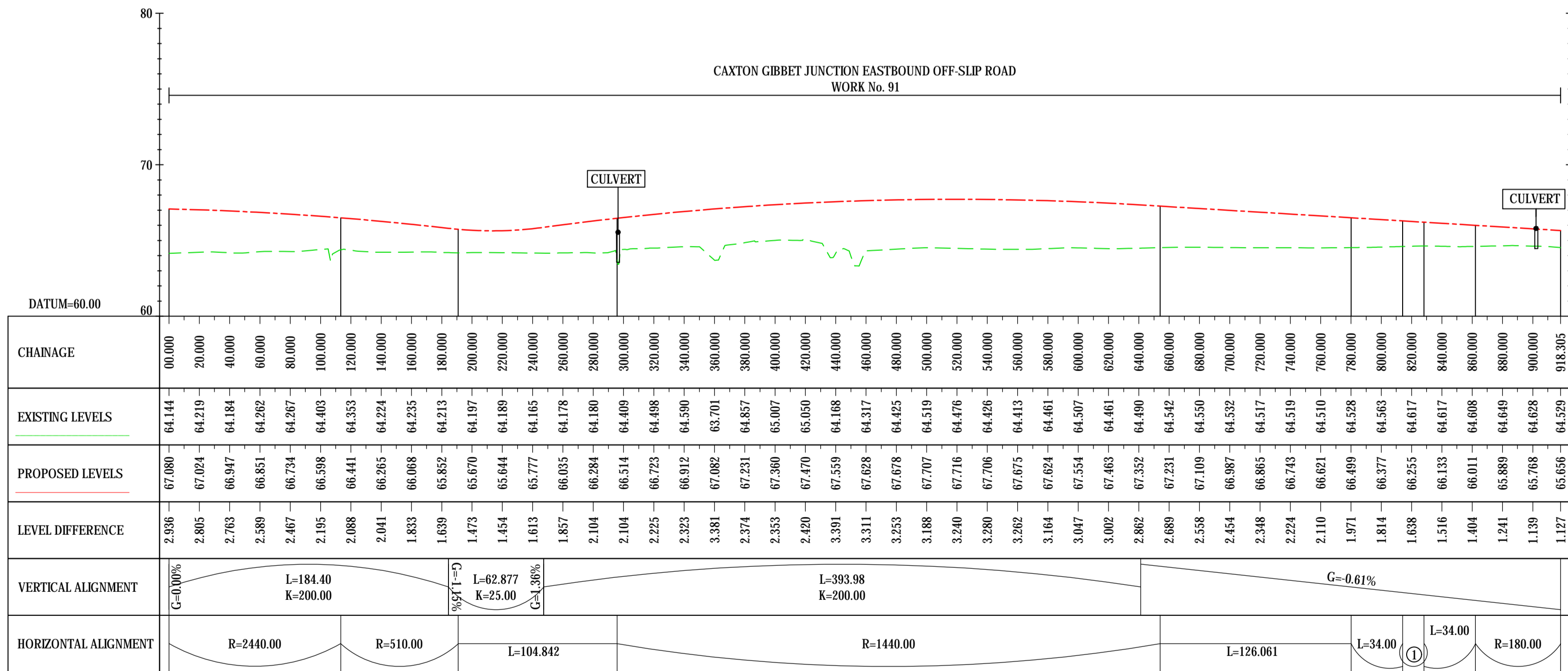
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 Plot Date: Thursday, February 11, 2021, 10:51 AM
 Plot Name: C:\P\01000\WORKING\DCO\APP\3.1\ENGIN\SW_Z_ZZ_DR_DC-2452



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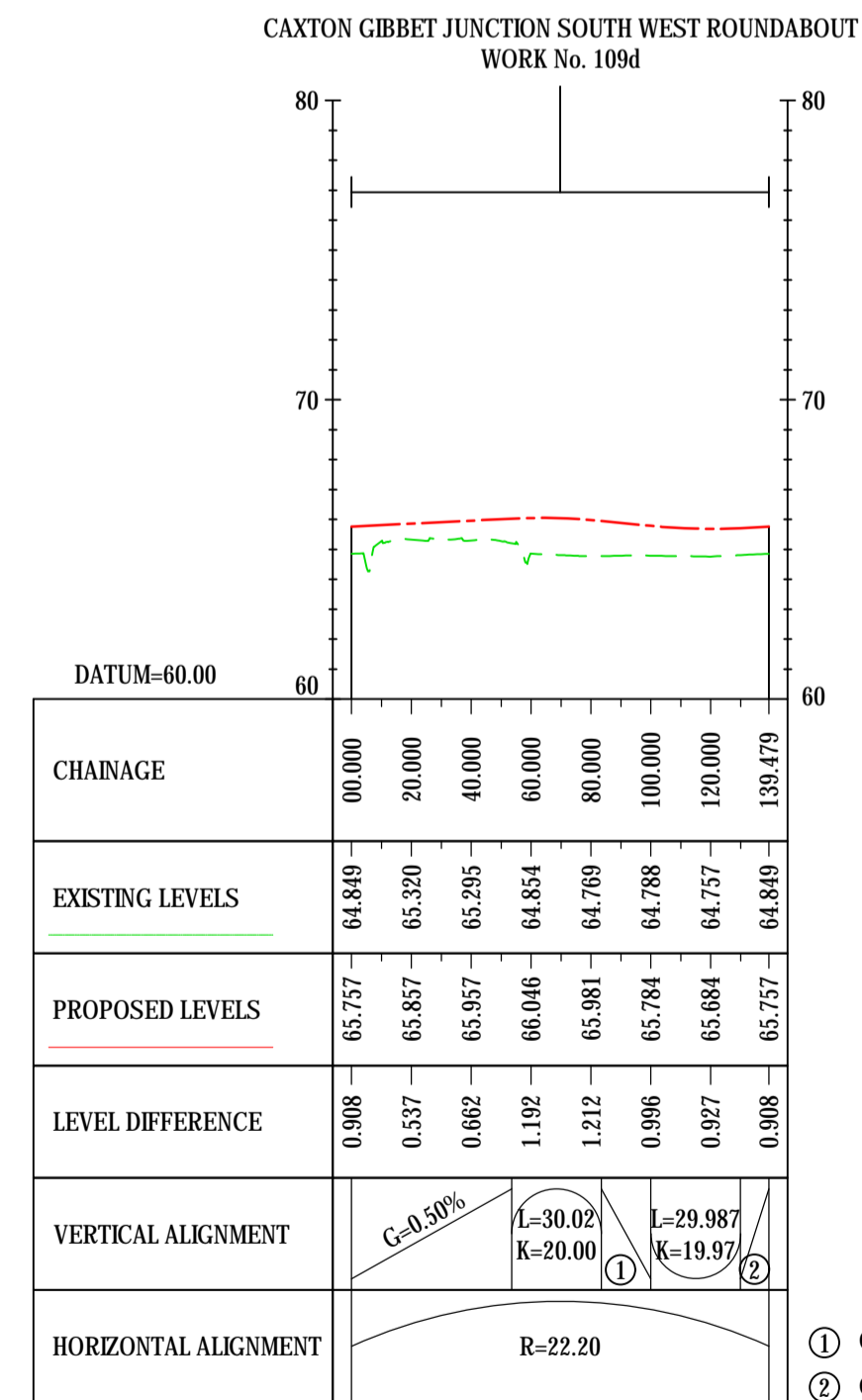
- KEY
- CENTRELINE OF NEW ROAD
 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT

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CAXTON GIBBET JUNCTION EASTBOUND OFF-SLIP ROAD
ALIGNMENT STRING NAME: MB03

LONGSECTION
SCALE: H 1:2500, V 1:250



CAXTON GIBBET JUNCTION SOUTH WEST ROUNDABOUT
ALIGNMENT STRING NAME: MN00

LONGSECTION
SCALE: H 1:2500, V 1:250

Final for DCO Application	WV	03/02/21	P04
Revision Details	By	Date	Suffix
	Check		

DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Working on behalf of
highways england

Development Consent Order Number
TR01044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

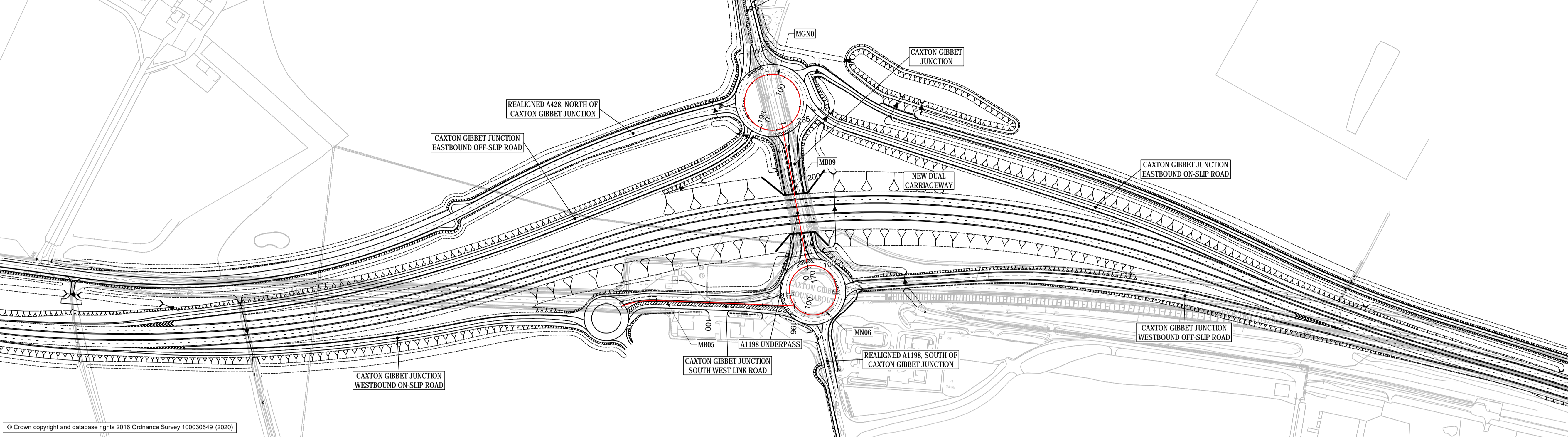
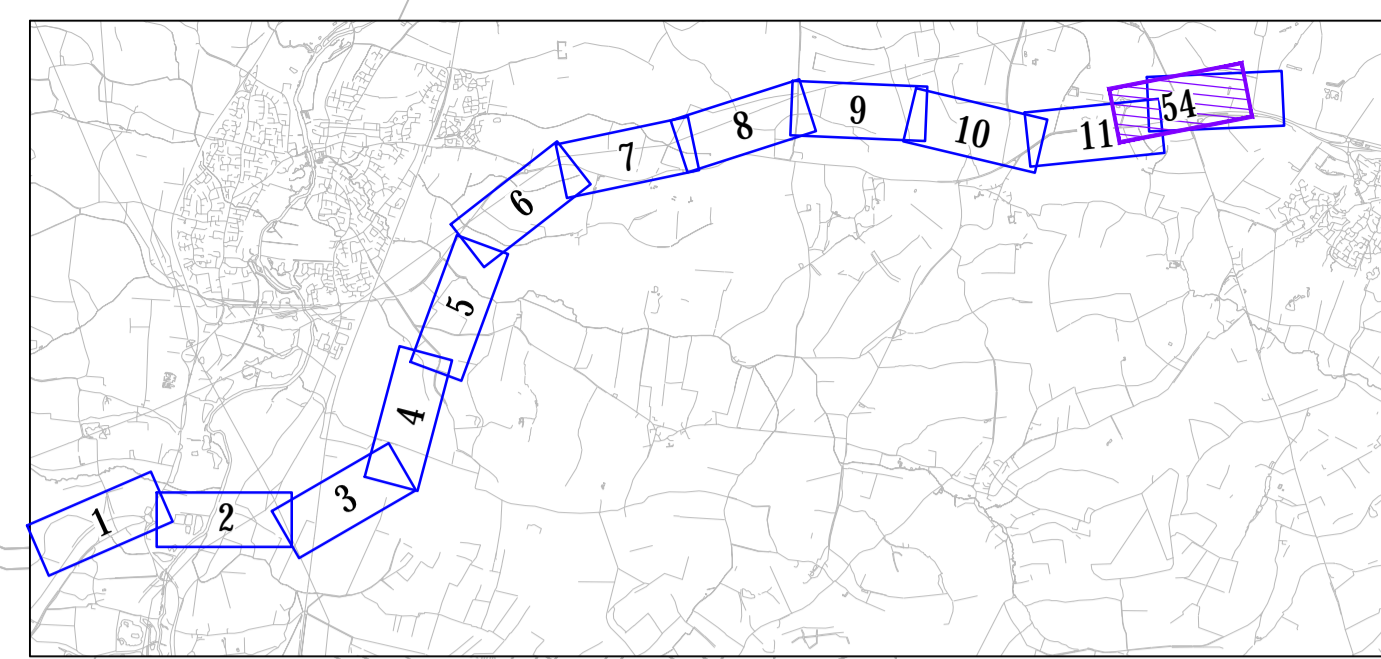
Drawing Title
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 53

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Suitability D7			
Scale @ A1 1:2500	Zone ZNS			

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Drawing Number HE551495 -ACM -LSI -	Originator ZNS_SW_Z_ZZ -DR -DC-2453	Volume 1	Rev P04
Location	I Type	I Role	I Number

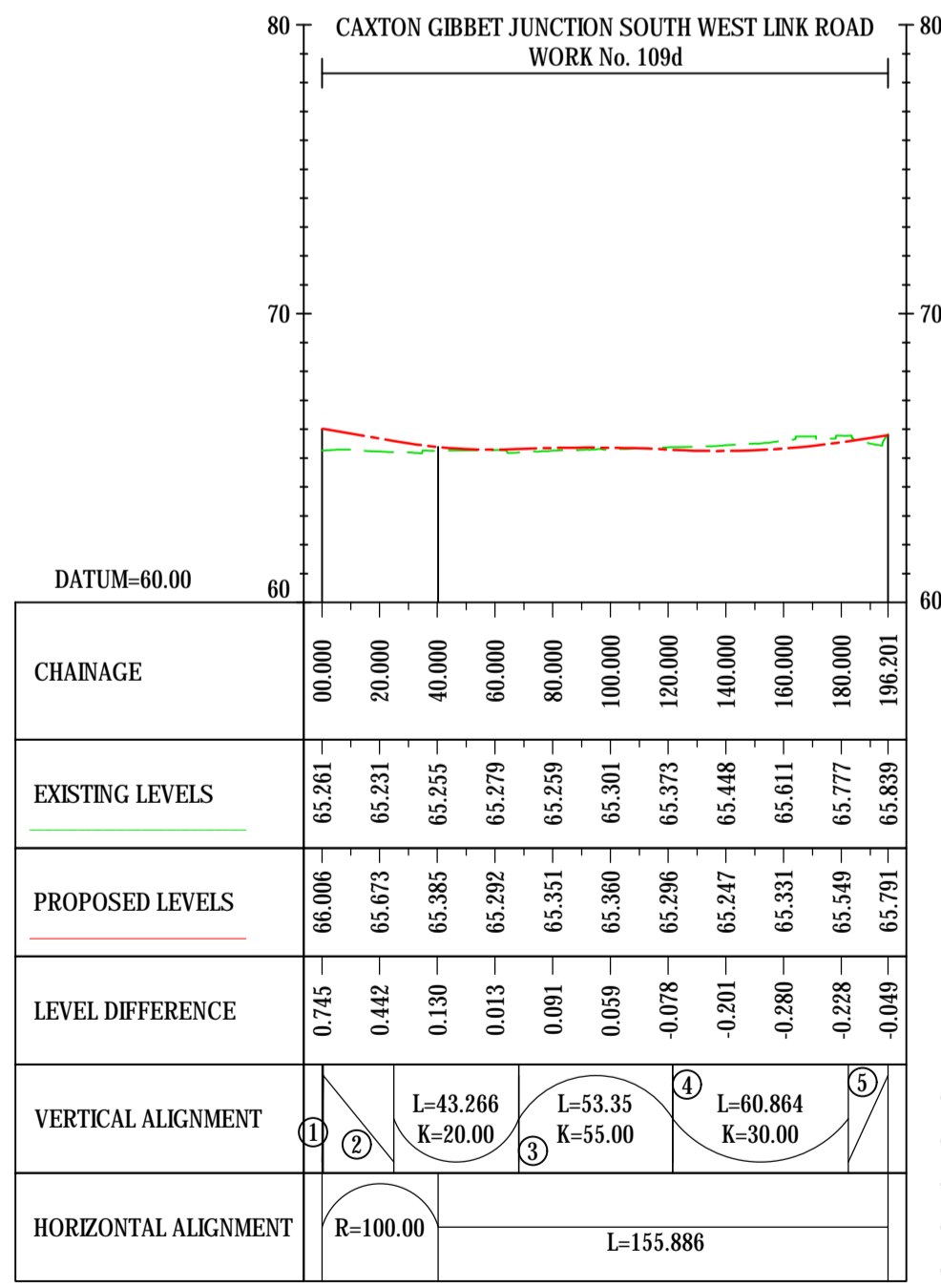
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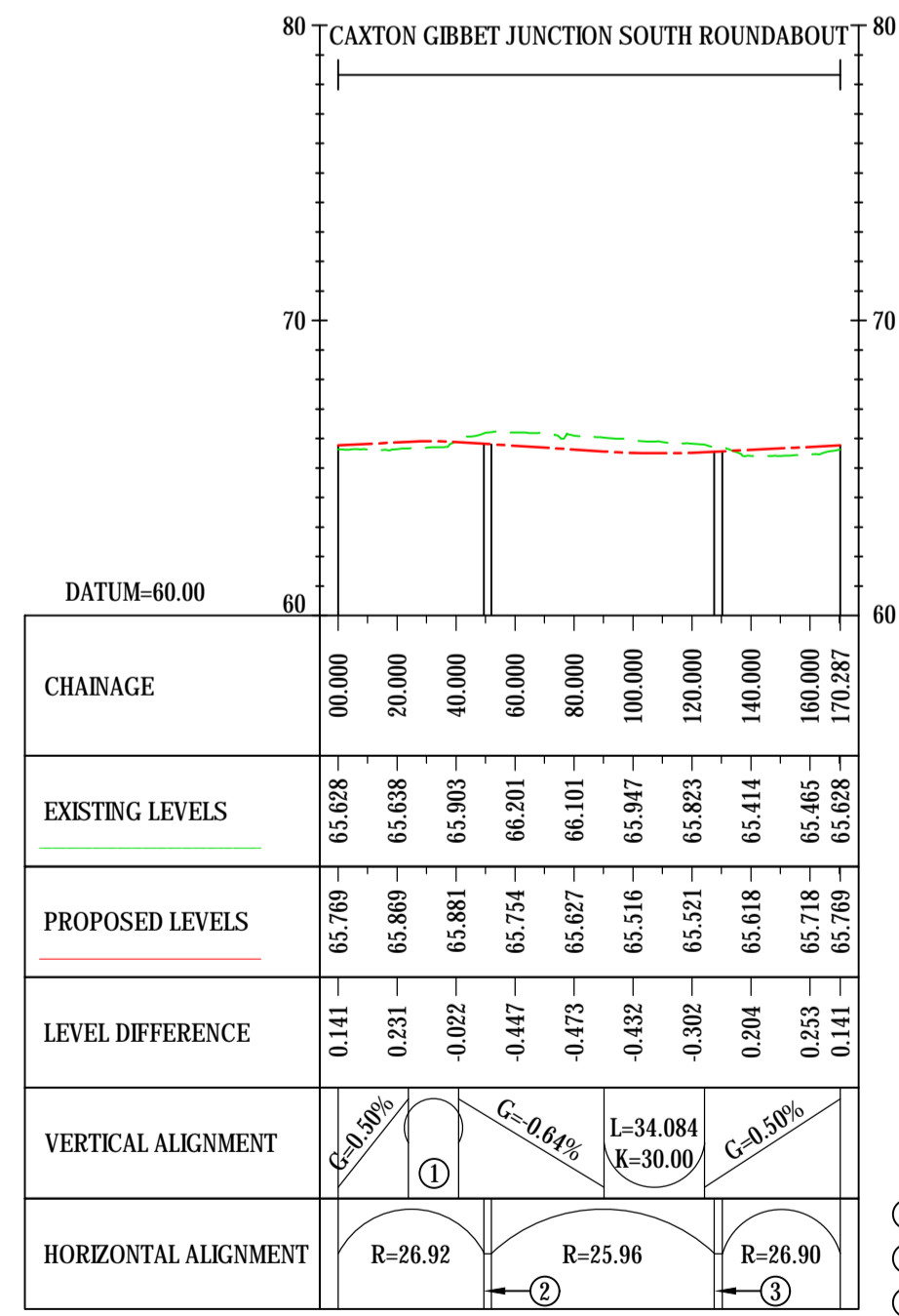
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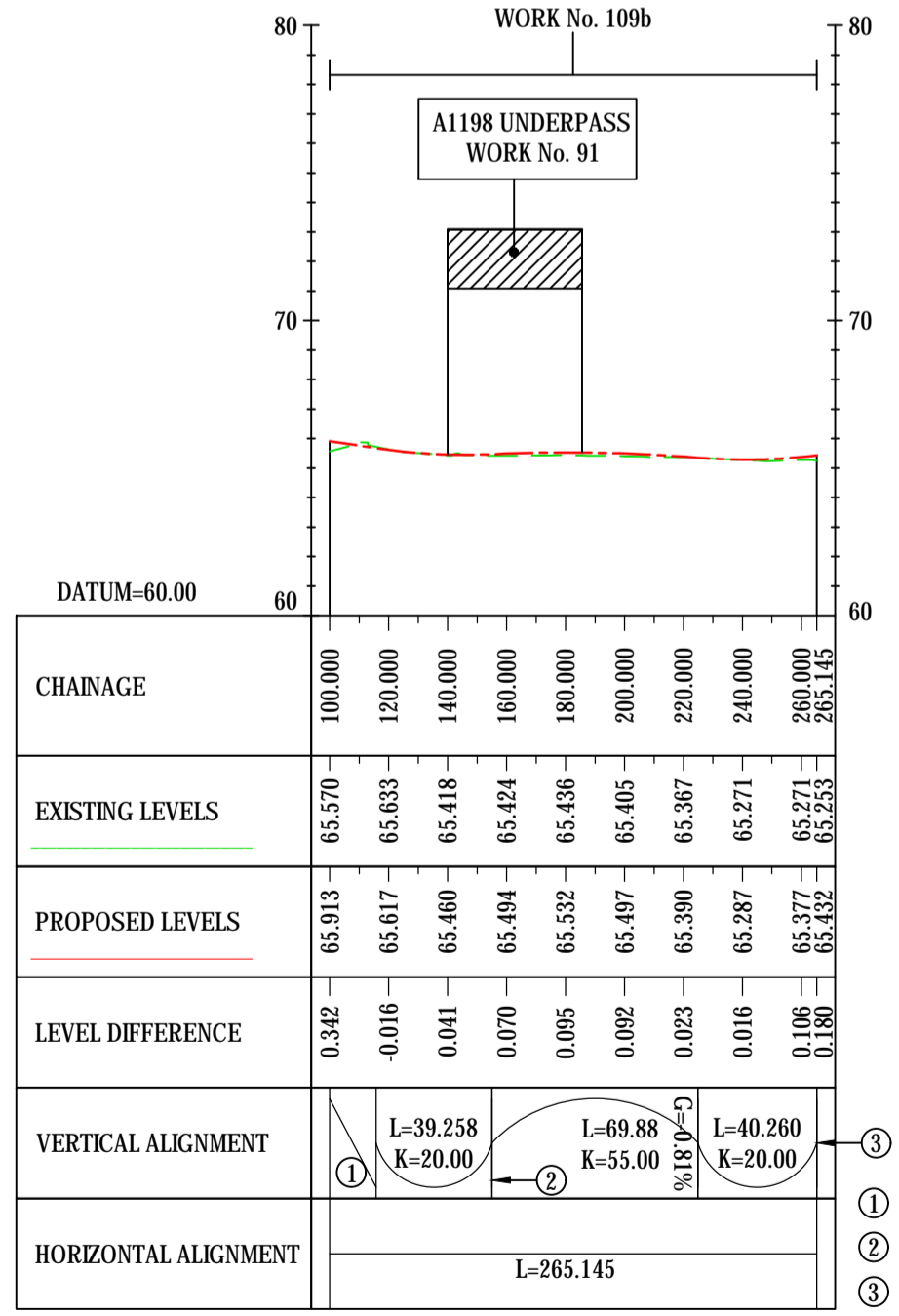
- KEY**
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 - FINISHED ROAD LEVEL AT CENTRELINE OF NEW ROAD
 - TOPOGRAPHICAL SURVEY (EXISTING GROUND)
 - BRIDGE
 - CULVERT



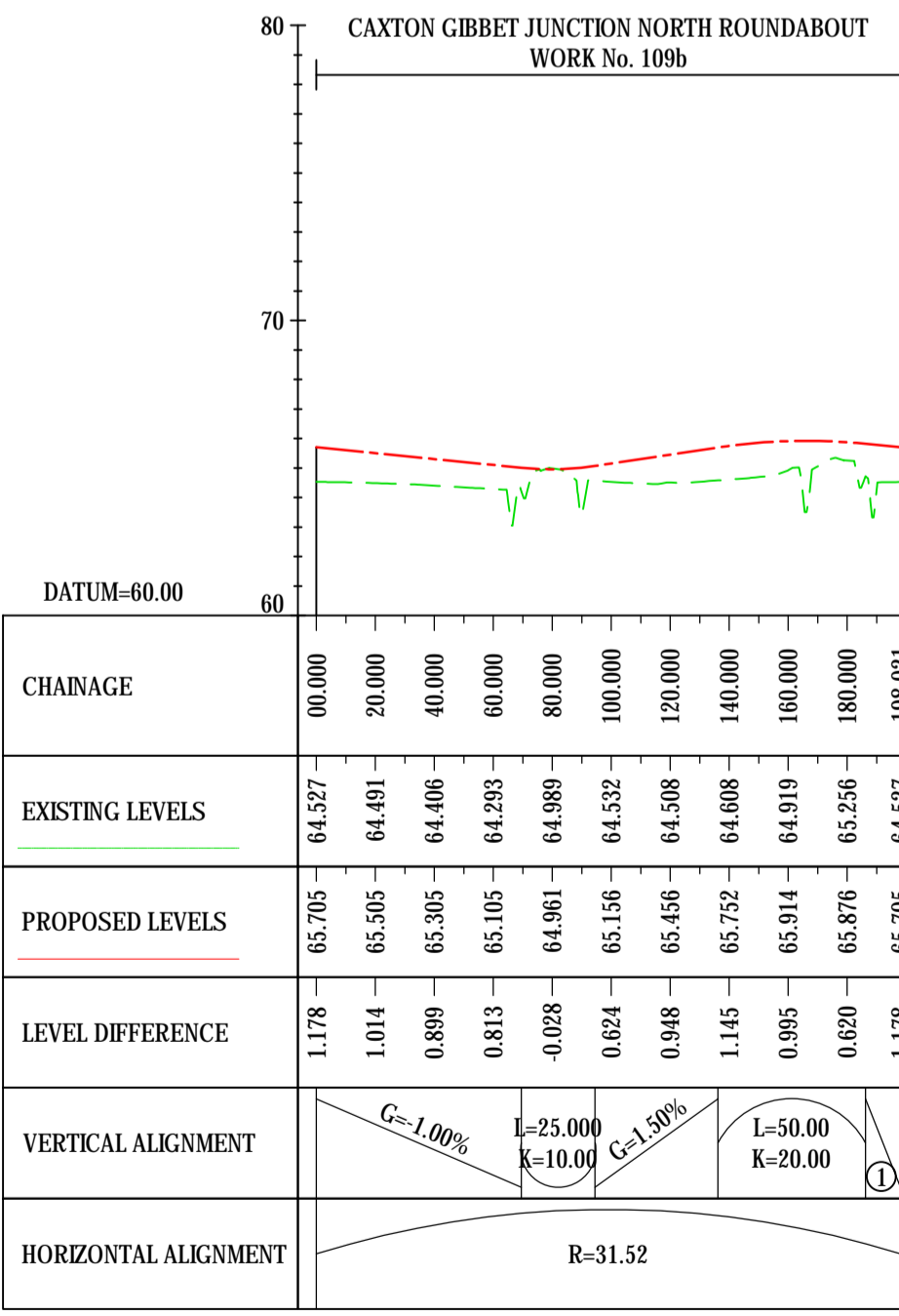
CAXTON GIBBET JUNCTION SOUTH WEST LINK ROAD
ALIGNMENT STRING NAME: MB05
LONGSECTION
SCALE: H 1:2500,V 1:250



CAXTON GIBBET JUNCTION SOUTH ROUNDABOUT
ALIGNMENT STRING NAME: MN06
LONGSECTION
SCALE: H 1:2500,V 1:250



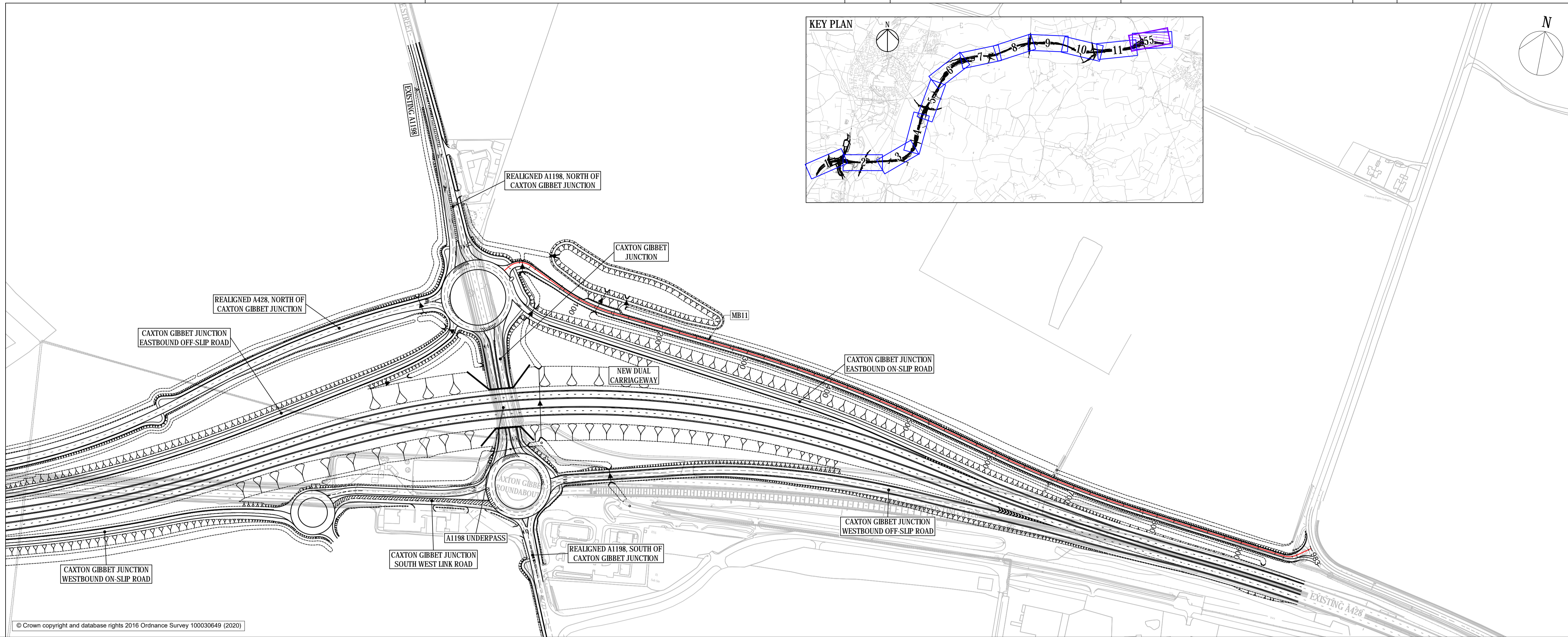
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ALIGNMENT STRING NAME: MB09
LONGSECTION
SCALE: H 1:2500,V 1:250



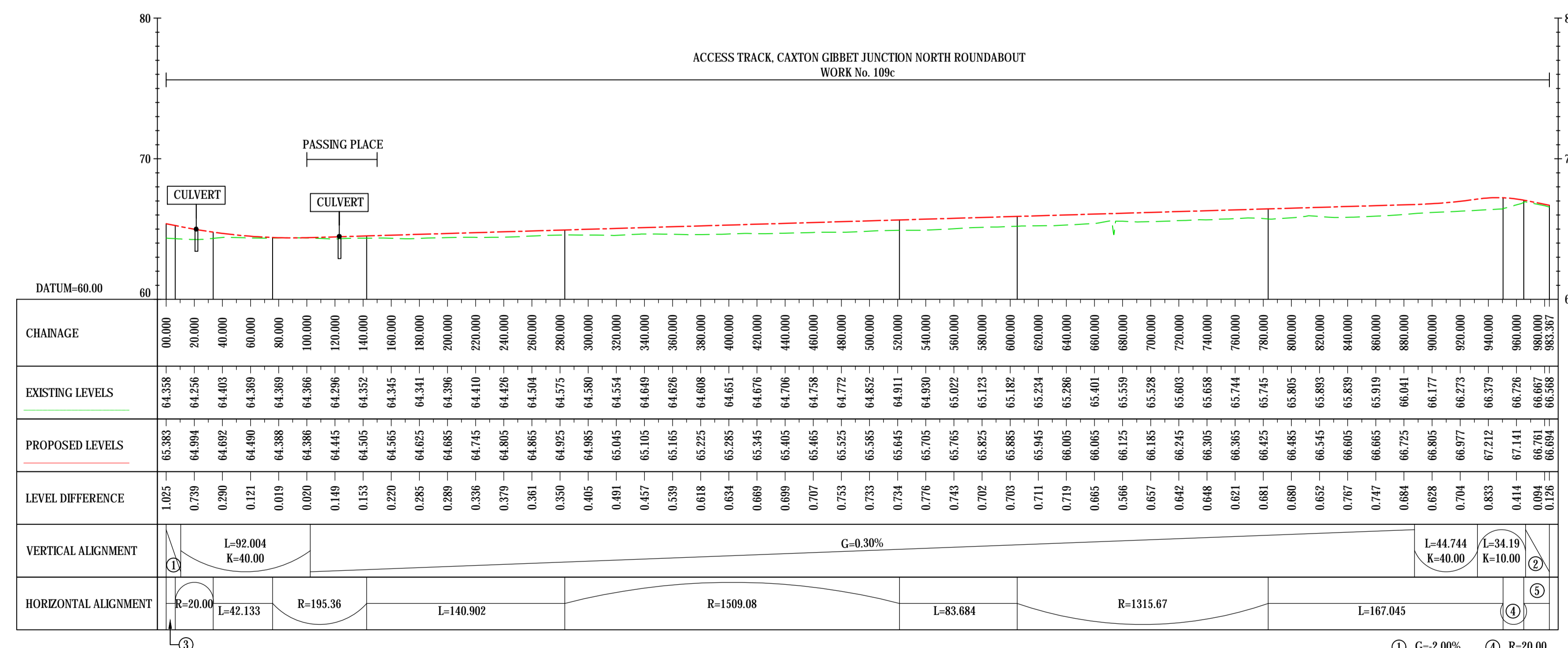
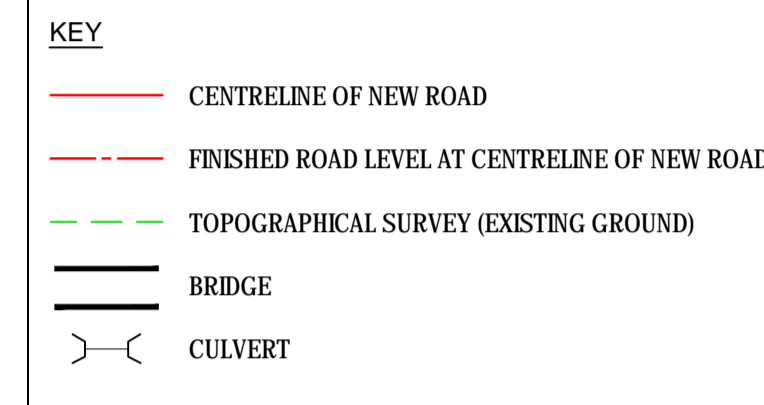
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ALIGNMENT STRING NAME: MCN0
LONGSECTION
SCALE: H 1:2500,V 1:250

Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix
Purpose of Issue DCO APPLICATION				
Client Highways England Woodlands Manton Lane Manton Industrial Estate Bedford MK41 7LW				
Development Consent Order Number TR01044				
Project Title A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS				
Drawing Title ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 54				
Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541		Subsidiary D7		
Scale @ A1 1:2500	Zone ZN5			
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Drawing Number HE551495 - ACM		1 Originator -LSI-		Rev P04
Location ZN5_SW_Z_ZZ		1 Role -DR-DC-2454		1 Number

File Name: C:\P\010100\WORKING\DCO\APP\ENR\SECTION\REGULATION 5(2)(O) & 6(2)\SW_Z_ZZ_DR-DC-2454
 Plot Date: Thursday, February 11, 2021 2:27:50 PM
 Plot Name: C:\P\010100\WORKING\DCO\APP\ENR\SECTION\REGULATION 5(2)(O) & 6(2)\SW_Z_ZZ_DR-DC-2454



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Final for DCO Application	WV	TD	03/02/21	P04
Revision Details	By	Check	Date	Suffix

Purpose of Issue
DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Working on behalf of
highways england

Development Consent Order Number
TR010044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

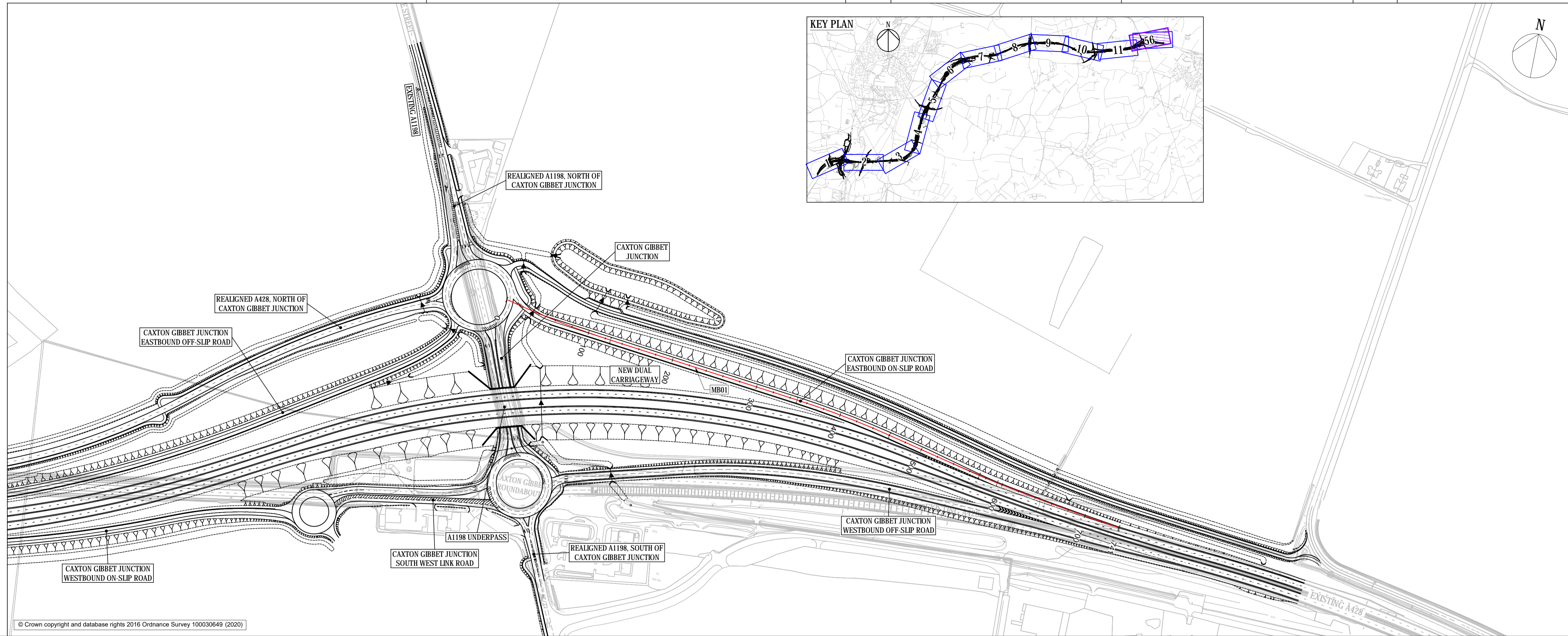
Drawing Title
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 55

Designed GH	Drawn WV	Checked JMW	Approved TD	Date 03/02/21
Internal Project No. 60541541	Suitability D7	Scale @ A1 1:2500	Zone ZN5	

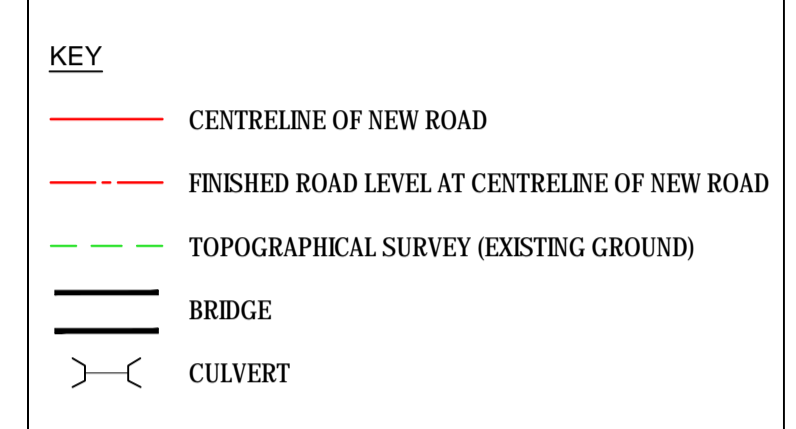
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Highways England PIN HE551495	Originator -ACM	Volume -LSI	Rev P04
Location ZN5_SW_Z_ZZ	Role -DR	Number -DC-2455	

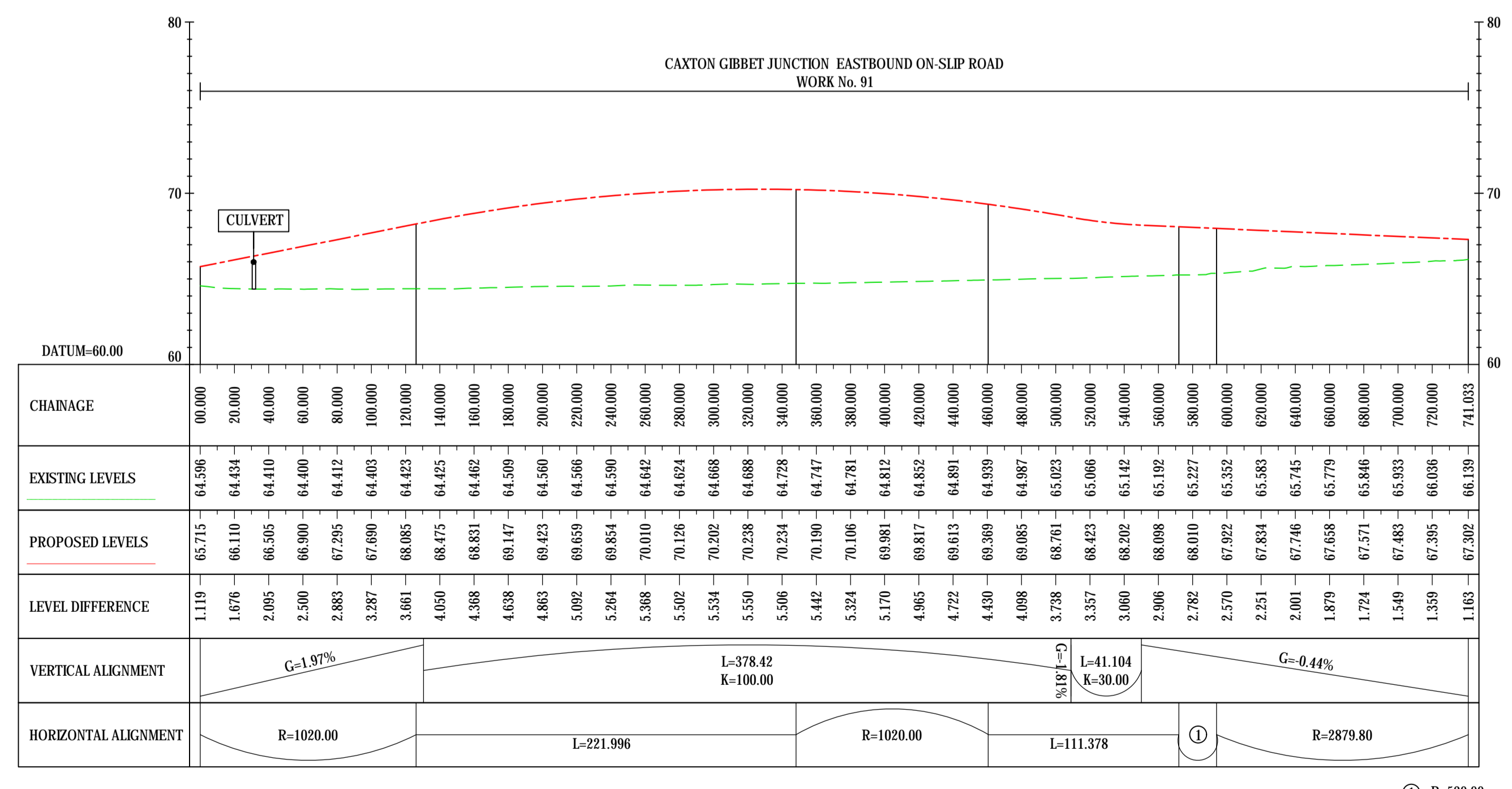
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 Plot Date: Thursday, February 11, 2021 10:26:54 AM



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CAXTON GIBBET JUNCTION EASTBOUND ON-SLIP ROAD
ALIGNMENT STRING NAME: MB01

LONGSECTION
SCALE: H 1:2500, V 1:250

Final for DCO Application	WV	03/02/21	P04
Revision Details	By	Date	Suffix
	Check		

Purpose of issue

DCO APPLICATION

Client
Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Working on behalf of
highways england

Development Consent Order Number
TR010044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

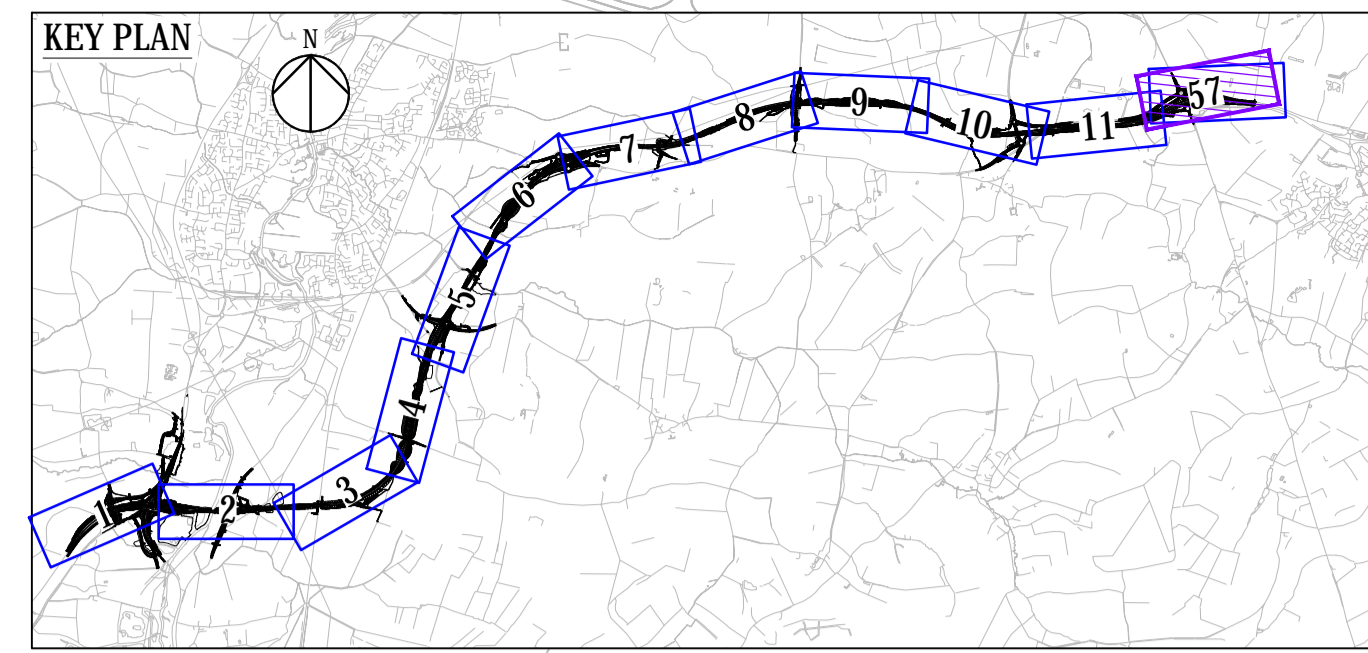
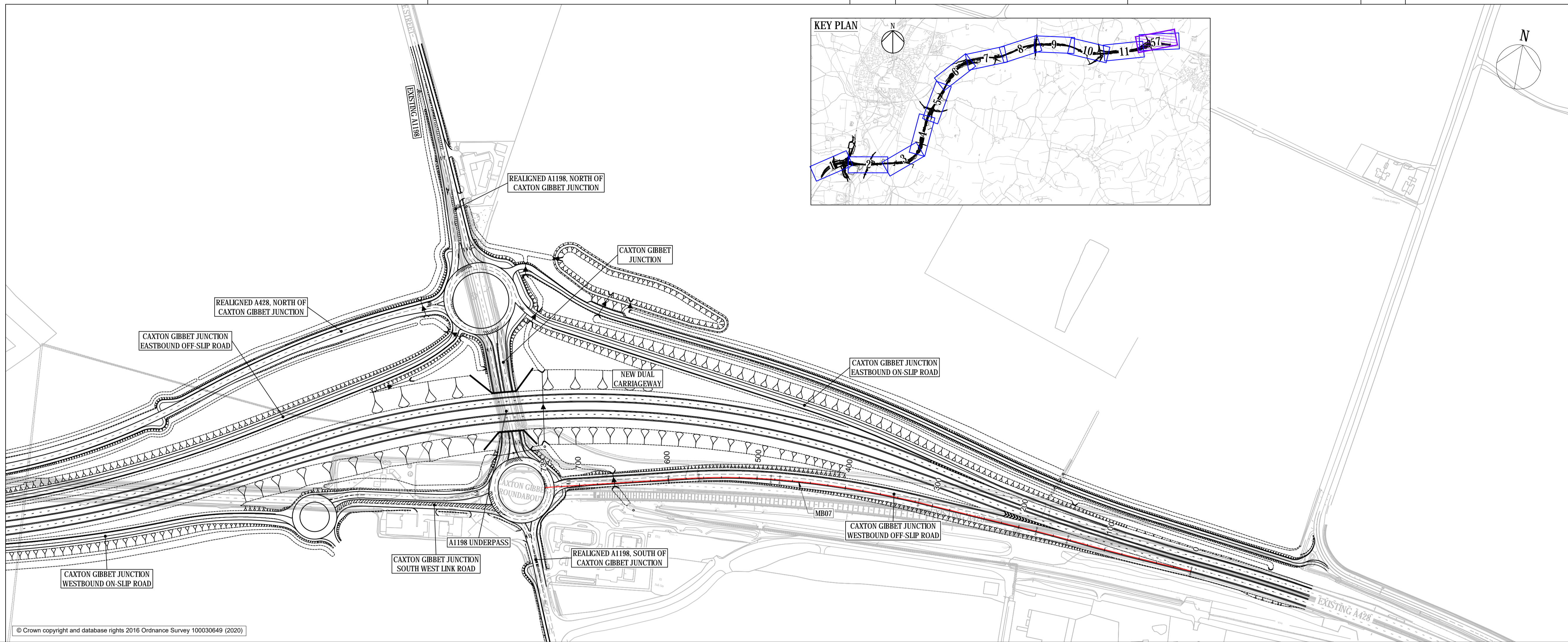
Drawing Title
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 56

Designed	Drawn	Checked	Approved	Date
GH	WV	JMW	TD	03/02/21
Internal Project No.	Subtality			
60541541	D7			
Scale @ A1	Zone			
1:2500	ZN5			

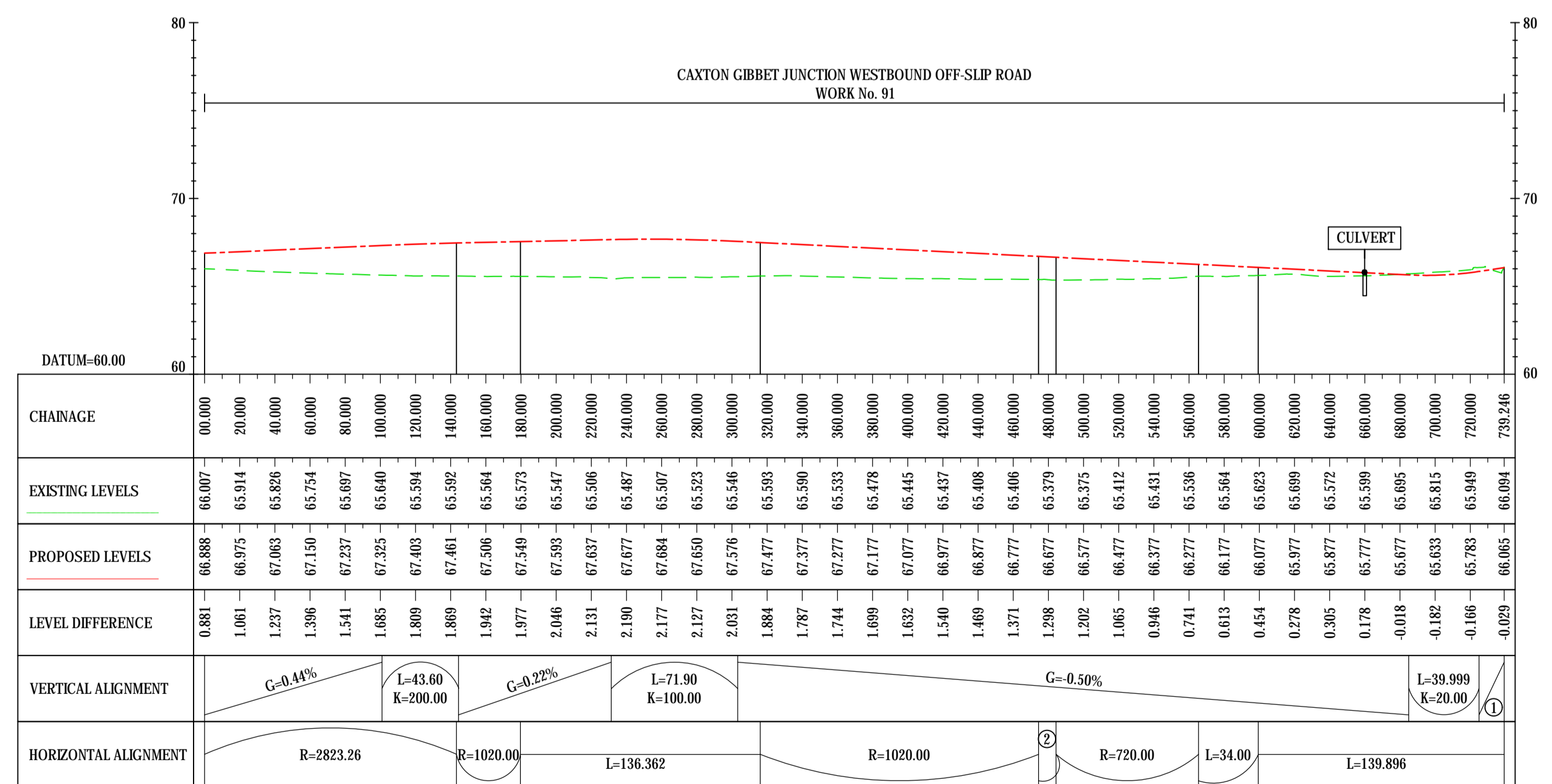
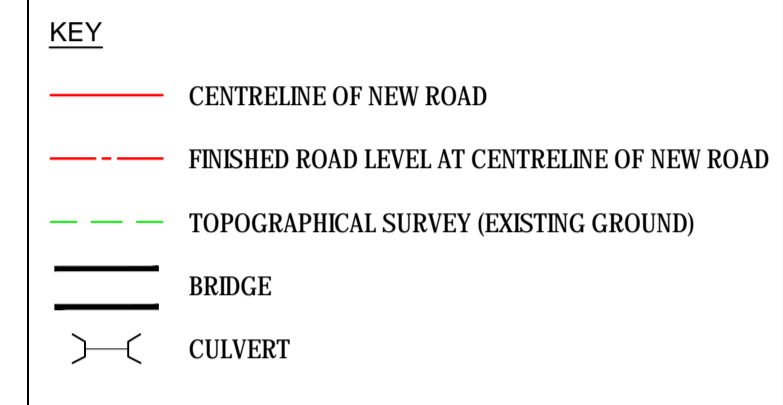
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Drawing Number	Highways England PIN	1 Originator	1 Volume	Rev
HE551495	-ACM	-LSI	-	P04
Location	1 Type	1 Role	1 Number	
ZN5_SW_Z_ZZ	-DR	-DC	-2456	

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CAXTON GIBBET JUNCTION WESTBOUND OFF-SLIP ROAD
ALIGNMENT STRING NAME: MB07

LONGSECTION
SCALE: H 1:2500, V 1:250

Final for DCO Application	WV	03/02/21	P03
Revision Details	By	Date	Suffix
Check			
Purpose of issue			
DCO APPLICATION			
Client		Working on behalf of	
Highways England		highways england	
Woodlands Manton Lane Manton Industrial Estate Bedford MK41 7LW			
Development Consent Order Number			
TR01044			
Project Title			
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS			
Drawing Title			
ENGINEERING SECTIONS (PLAN AND PROFILES) REGULATION 5(2)(O) & 6(2) SHEET 57			
Designed	Drawn	Checked	Approved
GH	WV	JMW	TD
60541541			
Internal Project No.	Suitability		
60541541	D7		
Scale @ A1	Zone		
1:2500	ZN5		
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Drawing Number	Highways England PIN	1 Originator	1 Volume
HE551495	-ACM	-LSI	-
Location	I Type	I Role	I Number
ZN5_SW_Z_ZZ	-DR	-DC	-2457
			P03

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