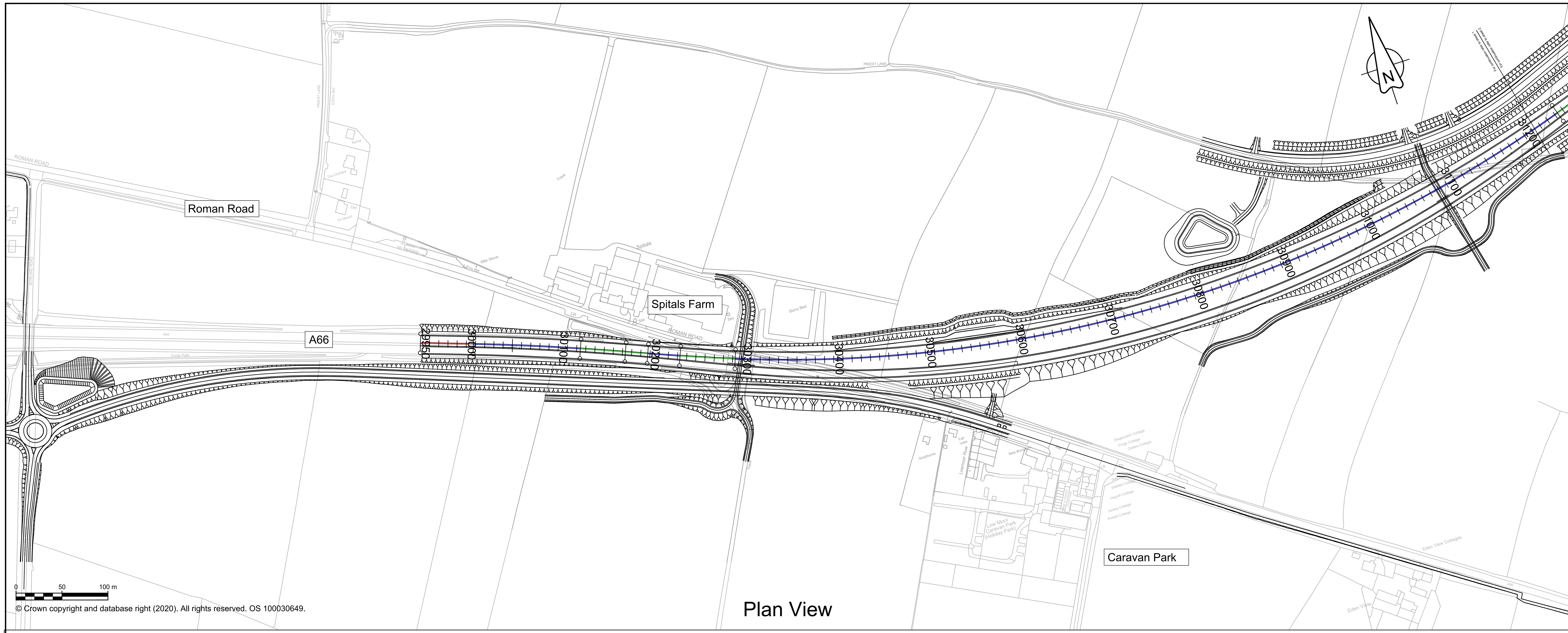
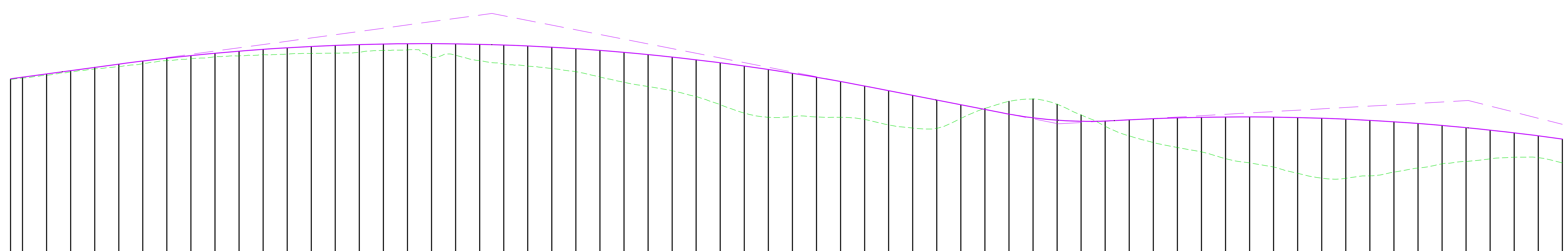


Plan View



Datum: 110.000 mAOD

CHAINAGE	PROPOSED LEVELS	SURVEY LEVELS	LEVEL DIFFERENCE
29950.00	124.542	124.486	0.056
29960.00	124.678	124.614	0.064
29980.00	124.949	124.837	0.113
30000.00	125.221	125.112	0.109
30020.00	125.492	125.366	0.126
30040.00	125.764	125.561	0.203
30060.00	126.021	125.804	0.217
30080.00	126.257	126.051	0.206
30100.00	126.472	126.207	0.265
30120.00	126.666	126.380	0.285
30140.00	126.838	126.451	0.387
30160.00	126.990	126.547	0.443
30180.00	127.121	126.599	0.522
30200.00	127.231	126.655	0.576
30220.00	127.319	126.683	0.636
30240.00	127.387	126.745	0.642
30260.00	127.433	126.904	0.530
30280.00	127.459	126.946	0.512
30300.00	127.463	126.327	1.136
30320.00	127.447	126.496	0.950
30340.00	127.409	126.060	1.349
30360.00	127.350	125.783	1.567
30380.00	127.271	125.598	1.673
30400.00	127.170	125.405	1.765
30420.00	127.048	125.142	1.905
30440.00	126.905	124.697	2.208
30460.00	126.741	124.253	2.487
30480.00	126.556	123.907	2.649
30500.00	126.350	123.553	2.797
30520.00	126.123	123.065	3.057
30540.00	125.874	122.403	3.471
30560.00	125.605	121.693	3.912
30580.00	125.315	121.350	3.965
30600.00	125.004	121.398	3.605
30620.00	124.671	121.372	3.299
30640.00	124.318	121.347	2.970
30660.00	123.943	121.169	2.774
30680.00	123.554	120.717	2.837
30700.00	123.165	120.445	2.719
30720.00	122.775	120.431	2.344
30740.00	122.386	121.252	1.134
30760.00	121.996	122.080	-0.083
30780.00	121.611	122.672	-1.061
30800.00	121.305	122.868	-1.563
30820.00	121.107	122.428	-1.321
30840.00	121.018	121.541	-0.523
30860.00	121.036	120.597	0.439
30880.00	121.138	119.797	1.341
30900.00	121.228	119.248	1.980
30920.00	121.297	118.839	2.458
30940.00	121.345	118.473	2.872
30960.00	121.372	117.916	3.456
30980.00	121.378	117.556	3.822
31000.00	121.363	117.213	4.149
31020.00	121.327	116.689	4.637
31040.00	121.270	116.289	4.981
31060.00	121.191	116.280	4.911
31080.00	121.092	116.480	4.612
31100.00	120.972	116.788	4.184
31120.00	120.830	117.131	3.699
31140.00	120.668	117.483	3.185
31160.00	120.484	117.674	2.810
31180.00	120.280	117.893	2.387
31200.00	120.054	118.031	2.023
31220.00	119.807	117.992	1.815
31240.00	119.539	117.555	1.984

HORIZONTAL
L =57.552m
R: 2475.000m L: 116.595m
A: 348.59 L: 49.096m
A: 348.59 L: 24.303m
R: 5000.000m L: 35.189m
A: 348.59 L: 60.081m
R: 1440.000m L: 950.521m

VERTICAL
G =1.358% L =86.272
R =19000.000 L =627.927
G = -1.947% L =110.338
R =3700.000 L =93.047
G =0.567% L =0.233
R =19000.000 L =587.948

SUPERELEVATION
L -2.5% L -2.5% L -2.5% L -3.5%
R 0.0% R 0.000% R 0.000% R 0.000%

0 50 100 m

Scale H 1:2500; V 1:250

Profile View

NOTES

1. ALL DIMENSIONS ARE IN METRES ABOVE DATUM UNLESS NOTED OTHERWISE.
2. THE DESIGN SHOWN ON THESE ENGINEERING SECTION DRAWINGS IS ILLUSTRATIVE AND WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT.

KEY

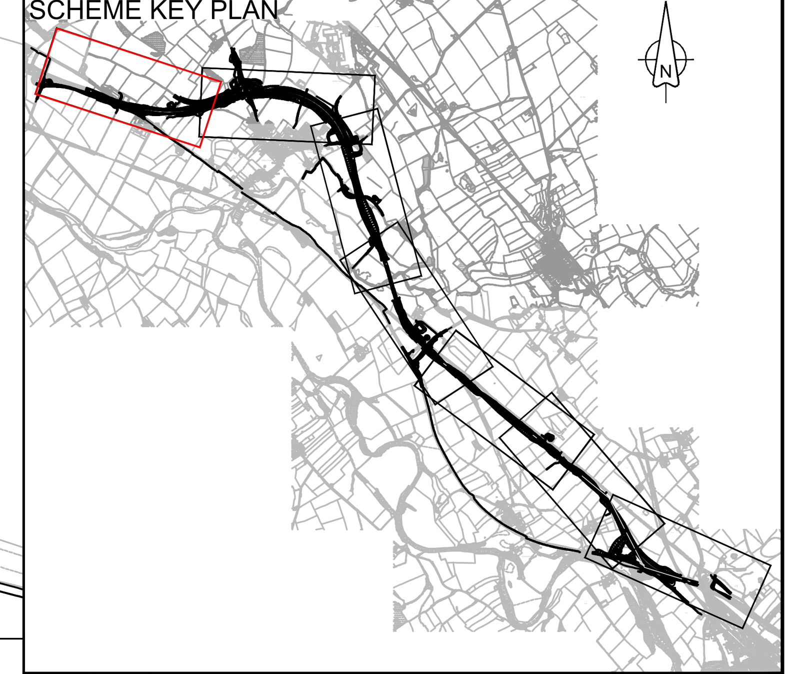
Plan

- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- CURVE ALIGNMENT
- STRAIGHT ALIGNMENT
- TRANSITION ALIGNMENT
- #### ROAD NAMES
- 20000 | 21400 CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

Profile

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

SCHEME KEY PLAN



Revision	Revision details				
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P01	GCHI 03/09/21	GCHI 03/09/21	SHAL 03/09/21	KCRO 03/09/21	---
P02	GCHI 10/09/21	GCHI 10/09/21	SHAL 10/09/21	KCRO 10/09/21	KCRO 10/09/21
Revision	Created dd/mm/yy	Checked dd/mm/yy	Reviewed dd/mm/yy	Approved dd/mm/yy	Authorised dd/mm/yy

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

A66 NTP Integrated Project Team

Client
3 Piccadilly Place
Manchester
M1 3BN

highways england

Project Name
A66 Northern Trans-Pennine

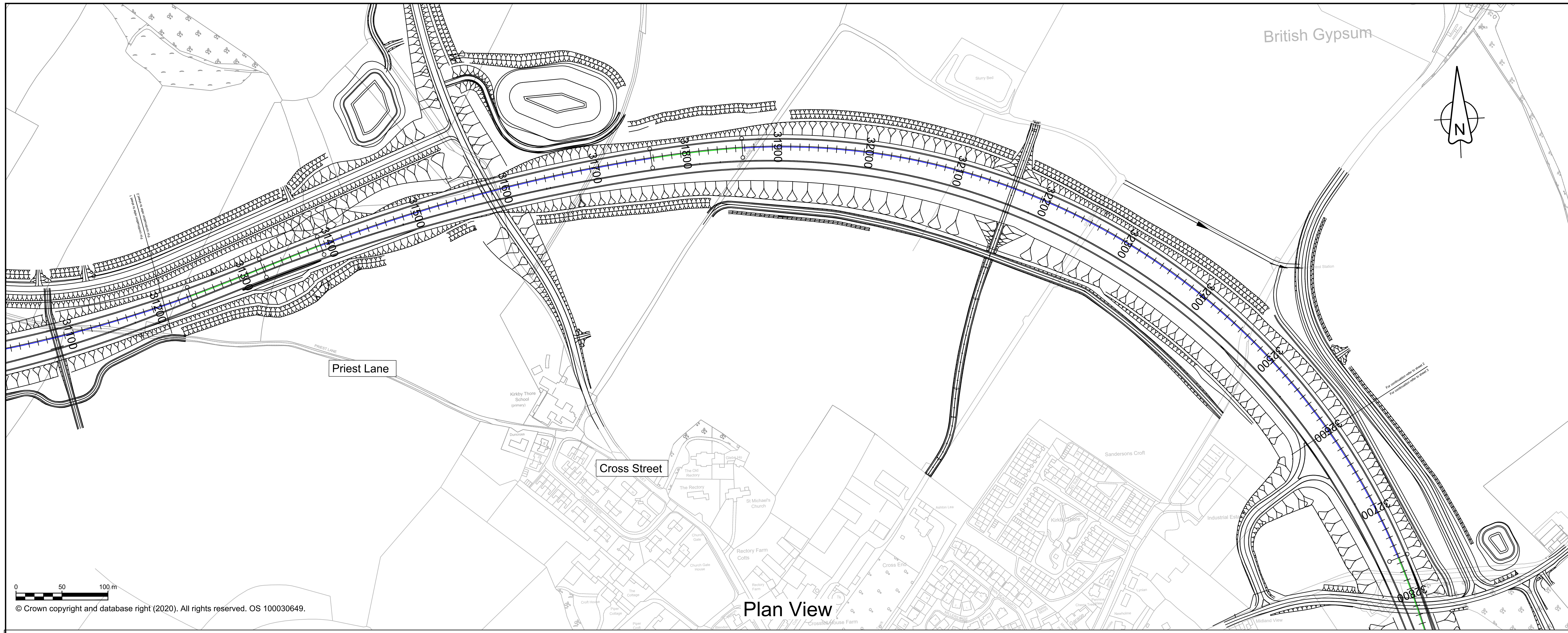
Drawing Title
Temple Sowerby to Appleby
Plan and Profile Blue Option
Sheet 1 of 7

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

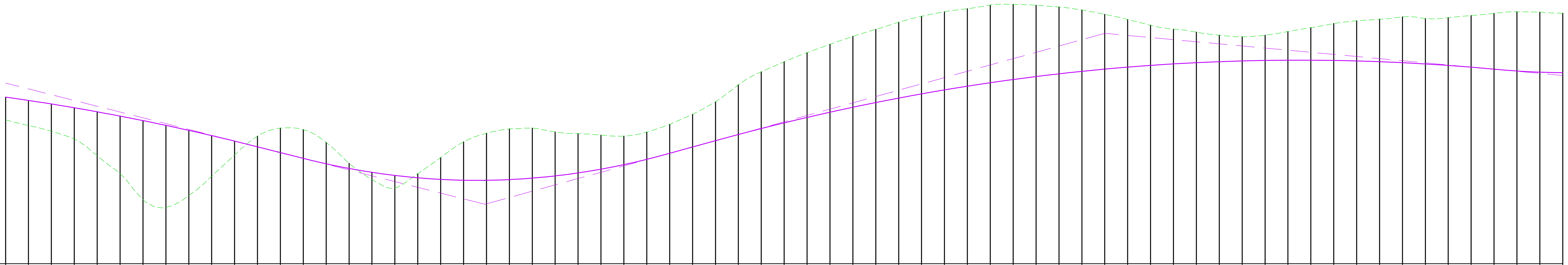
Drawing Number

Project	Originator	Volume			
HE565627	AMY	HML			
Location			Type	Role	Number
S0405			DR	CH	000214

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P02



Plan View



Datum: 105.000 mAOD

CHAINAGE	PROPOSED LEVELS	SURVEY LEVELS	LEVEL DIFFERENCE
31240.00	119.539	117.555	1.984
31260.00	119.251	117.064	2.187
31280.00	118.941	116.563	2.378
31300.00	118.610	115.878	2.731
31320.00	118.258	114.421	3.837
31340.00	117.885	112.849	5.036
31360.00	117.491	110.597	6.893
31380.00	117.076	109.921	7.155
31400.00	116.640	110.949	5.690
31420.00	116.182	112.636	3.547
31440.00	115.704	114.499	1.205
31460.00	115.205	116.137	-0.932
31480.00	114.700	116.831	-2.131
31500.00	114.194	116.708	-2.514
31520.00	113.722	115.582	-1.860
31540.00	113.316	113.763	-0.447
31560.00	112.977	112.350	0.627
31580.00	112.705	111.620	1.085
31600.00	112.499	112.854	-0.354
31620.00	112.360	114.259	-1.899
31640.00	112.288	115.631	-3.343
31660.00	112.282	116.385	-4.103
31680.00	112.343	116.766	-4.422
31700.00	112.471	116.829	-4.358
31720.00	112.665	116.507	-3.842
31740.00	112.926	116.358	-3.431
31760.00	113.254	116.221	-2.967
31780.00	113.648	116.135	-2.487
31800.00	114.109	116.494	-2.385
31820.00	114.636	117.155	-2.519
31840.00	115.187	118.041	-2.855
31860.00	115.738	119.134	-3.397
31880.00	116.278	120.609	-4.331
31900.00	116.797	121.749	-4.952
31920.00	117.294	122.619	-5.325
31940.00	117.769	123.421	-5.651
31960.00	118.223	124.147	-5.923
31980.00	118.656	124.842	-6.187
32000.00	119.066	125.453	-6.387
32020.00	119.455	126.071	-6.616
32040.00	119.823	126.589	-6.767
32060.00	120.168	126.986	-6.818
32080.00	120.493	127.252	-6.759
32100.00	120.795	127.569	-6.774
32120.00	121.076	127.632	-6.556
32140.00	121.335	127.561	-6.225
32160.00	121.573	127.405	-5.832
32180.00	121.789	127.147	-5.358
32200.00	121.983	126.765	-4.781
32220.00	122.156	126.311	-4.155
32240.00	122.307	125.814	-3.507
32260.00	122.437	125.476	-3.039
32280.00	122.545	125.207	-2.662
32300.00	122.631	124.942	-2.310
32320.00	122.696	124.807	-2.111
32340.00	122.739	124.940	-2.201
32360.00	122.760	125.260	-2.499
32380.00	122.760	125.603	-2.843
32400.00	122.739	125.955	-3.216
32420.00	122.695	126.204	-3.509
32440.00	122.630	126.336	-3.706
32460.00	122.543	126.536	-3.993
32480.00	122.435	126.405	-3.969
32500.00	122.305	126.476	-4.171
32520.00	122.154	126.655	-4.501
32540.00	121.981	126.848	-4.868
32560.00	121.821	126.983	-5.162
32580.00	121.719	126.953	-5.234
32600.00	121.674	126.862	-5.188

HORIZONTAL

R: 1440.000m L: 950.521m | A: 348.59 L: 84.384m | A: 348.59 L: 67.462m | R: 1801.200m L: 372.362m | A: 348.59 L: 99.680m | R: 727.000m L: 896.896m

VERTICAL

R =19000.000 L =587.948 | G =2.527% L =44.319 | R =6000.000 L =316.836 | G =2.754% L =43.506 | R =18500.000 L =679.596 | G =-0.920% L =1.409 | R =7000.000 L =141.423

SUPERELEVATION

L -3.5% R 0.000% | L 3.5% R 0.000% | L 3.5% R 0.000% | L 5.0% R 0.000%

Scale H 1:2500; V 1:250

Profile View

NOTES

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KEY

Plan

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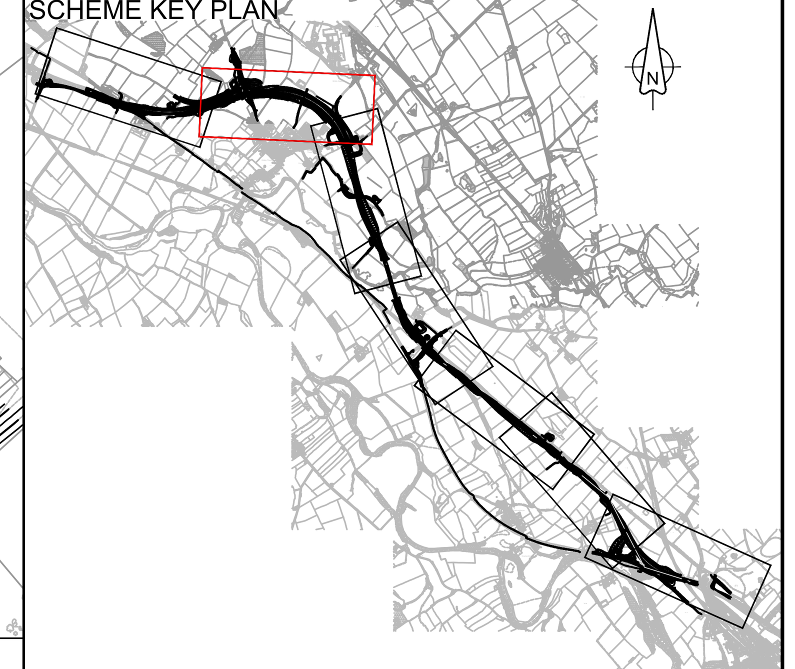
- #### ROAD NAMES
- 20000 | 21400 CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

Profile

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

SCHEME KEY PLAN



Revision	Created	Checked	Reviewed	Approved	Authorised
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P01	GCHI 03/09/21	GCHI 03/09/21	SHAL 03/09/21	KCRO 03/09/21	---
P02	GCHI 10/09/21	GCHI 10/09/21	SHAL 10/09/21	KCRO 10/09/21	KCRO 10/09/21
Revision details	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

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

A66 NTP Integrated Project Team

Client
3 Piccadilly Place
Manchester
M1 3BN

highways england

Project Name
A66 Northern Trans-Pennine

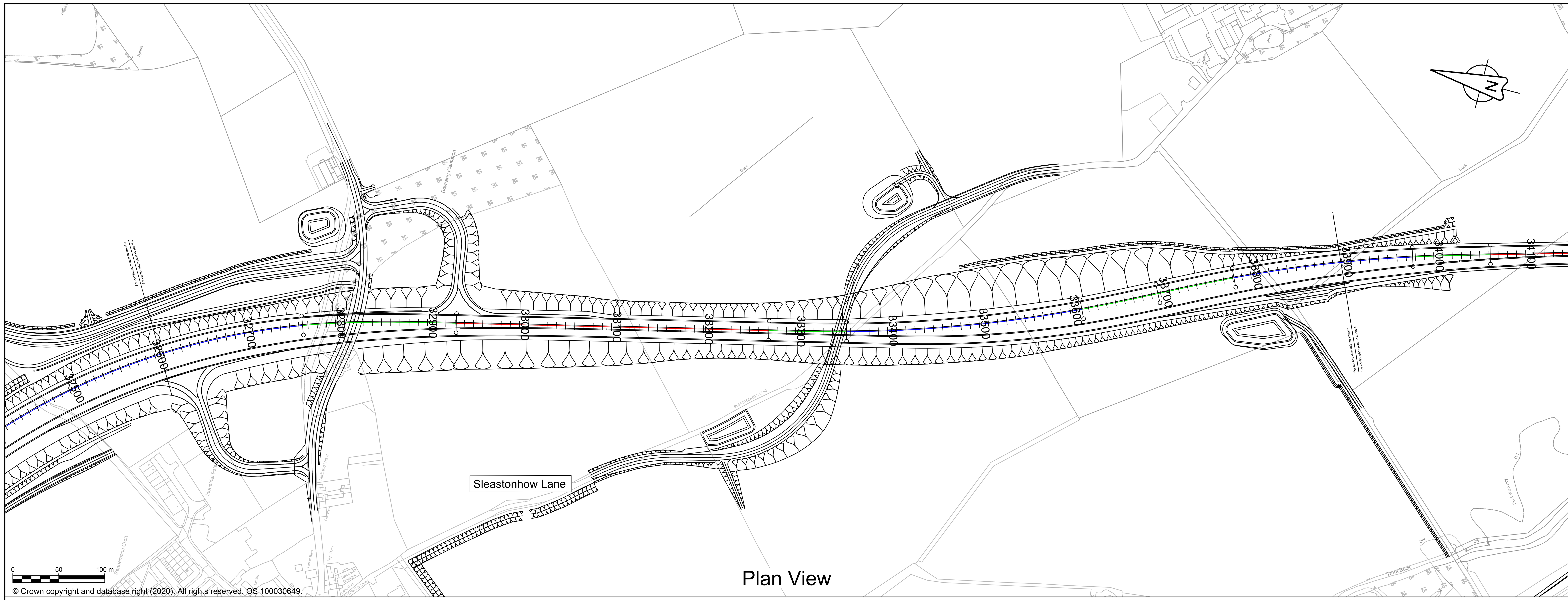
Drawing Title
Temple Sowerby to Appleby Plan and Profile Blue Option Sheet 2 of 7

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

Drawing Number

Project	Originator	Volume	Location	Type	Role	Number
HE565627	AMY	HML	S0405	DR	CH	000215

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P02



Plan View

NOTES

1. ALL DIMENSIONS ARE IN METRES ABOVE DATUM UNLESS NOTED OTHERWISE.
2. THE DESIGN SHOWN ON THESE ENGINEERING SECTION DRAWINGS IS ILLUSTRATIVE AND WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT.

KEY

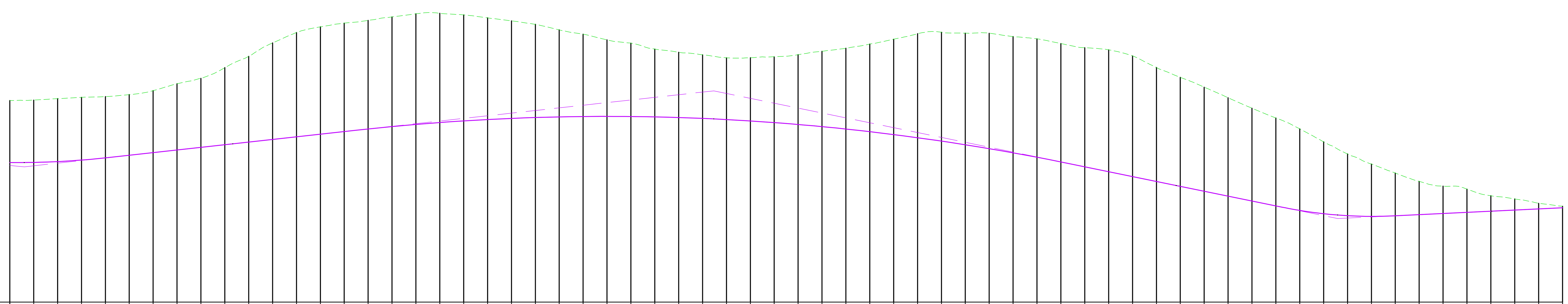
Plan

- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- CURVE ALIGNMENT
- STRAIGHT ALIGNMENT
- TRANSITION ALIGNMENT
- #### ROAD NAMES
- 20000 | 21400 CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

Profile

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

SCHEME KEY PLAN



Datum: 110.000 mAOD

CHAINAGE	PROPOSED LEVELS	SURVEY LEVELS	LEVEL DIFFERENCE
32600.00	121.674	126.862	-5.188
32620.00	121.686	126.897	-5.212
32640.00	121.755	127.017	-5.263
32660.00	121.881	127.125	-5.244
32680.00	122.064	127.186	-5.122
32700.00	122.284	127.353	-5.069
32720.00	122.504	127.688	-5.184
32740.00	122.724	128.265	-5.541
32760.00	122.944	128.718	-5.774
32780.00	123.164	129.608	-6.444
32800.00	123.384	130.556	-7.172
32820.00	123.604	131.677	-8.073
32840.00	123.824	132.549	-8.725
32860.00	124.045	133.021	-8.977
32880.00	124.265	133.329	-9.065
32900.00	124.482	133.561	-9.079
32920.00	124.682	133.851	-9.169
32940.00	124.861	134.111	-9.250
32960.00	125.018	134.154	-9.136
32980.00	125.155	134.019	-8.864
33000.00	125.270	133.771	-8.501
33020.00	125.365	133.522	-8.157
33040.00	125.438	133.230	-7.792
33060.00	125.491	132.770	-7.280
33080.00	125.522	132.404	-6.882
33100.00	125.532	131.930	-6.398
33120.00	125.521	131.655	-6.134
33140.00	125.490	131.163	-5.674
33160.00	125.437	130.895	-5.459
33180.00	125.363	130.687	-5.324
33200.00	125.268	130.432	-5.164
33220.00	125.152	130.441	-5.289
33240.00	125.014	130.519	-5.504
33260.00	124.856	130.694	-5.838
33280.00	124.677	130.974	-6.297
33300.00	124.477	131.231	-6.754
33320.00	124.255	131.579	-7.324
33340.00	124.013	131.986	-7.973
33360.00	123.750	132.448	-8.698
33380.00	123.465	132.571	-9.106
33400.00	123.160	132.497	-9.337
33420.00	122.833	132.488	-9.655
33440.00	122.485	132.206	-9.721
33460.00	122.117	132.016	-9.899
33480.00	121.727	131.623	-9.896
33500.00	121.320	131.275	-9.955
33520.00	120.911	131.095	-10.185
33540.00	120.502	130.593	-10.091
33560.00	120.093	129.621	-9.528
33580.00	119.684	128.800	-9.115
33600.00	119.275	127.977	-8.702
33620.00	118.866	127.092	-8.225
33640.00	118.457	126.217	-7.760
33660.00	118.048	125.397	-7.348
33680.00	117.670	124.488	-6.818
33700.00	117.396	123.405	-6.009
33720.00	117.230	122.389	-5.159
33740.00	117.172	121.547	-4.375
33760.00	117.223	120.795	-3.573
33780.00	117.319	120.098	-2.779
33800.00	117.415	119.700	-2.285
33820.00	117.511	119.446	-1.935
33840.00	117.607	118.897	-1.290
33860.00	117.703	118.631	-0.928
33880.00	117.799	118.265	-0.466
33900.00	117.895	118.017	-0.122

HORIZONTAL

R: 727.000m L: 896.896m	A: 348.59 L: 167.142m	L =339.728m	A: 348.59 L: 84.384m	R: 1440.000m L: 257.245m	A: 348.59 L: 84.384m	A: 348.59 L: 84.384m	R: 1440.000m L: 195.660m

VERTICAL

R =7000.000 L =141.423	G =1.100% L =207.793	R =19000.000 L =597.555	G =-2.045% L =176.821	R =3700.000 L =93.422	G =0.480% L =164.783

SUPERELEVATION

L 5.0% R 0.000%	L= -2.5% R= 0.0%	L= -2.5% R= 0.0%	L -3.5% R 0.000%	L -3.5% R 0.000%	L 3.5% R 0.000%

0 50 100 m Scale H 1:2500; V 1:250

Profile View

Revision	Created	Checked	Reviewed	Approved	Authorised
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	---	---	---	---	---
P01	GCHI 03/09/21	GCHI 03/09/21	SHAL 03/09/21	KCRO 03/09/21	---
P02	GCHI 10/09/21	GCHI 10/09/21	SHAL 10/09/21	KCRO 10/09/21	KCRO 10/09/21
Revision details	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer
Amey OW Limited
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A66 NTP Integrated Project Team

Client
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Manchester
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highways england

Project Name
A66 Northern Trans-Pennine

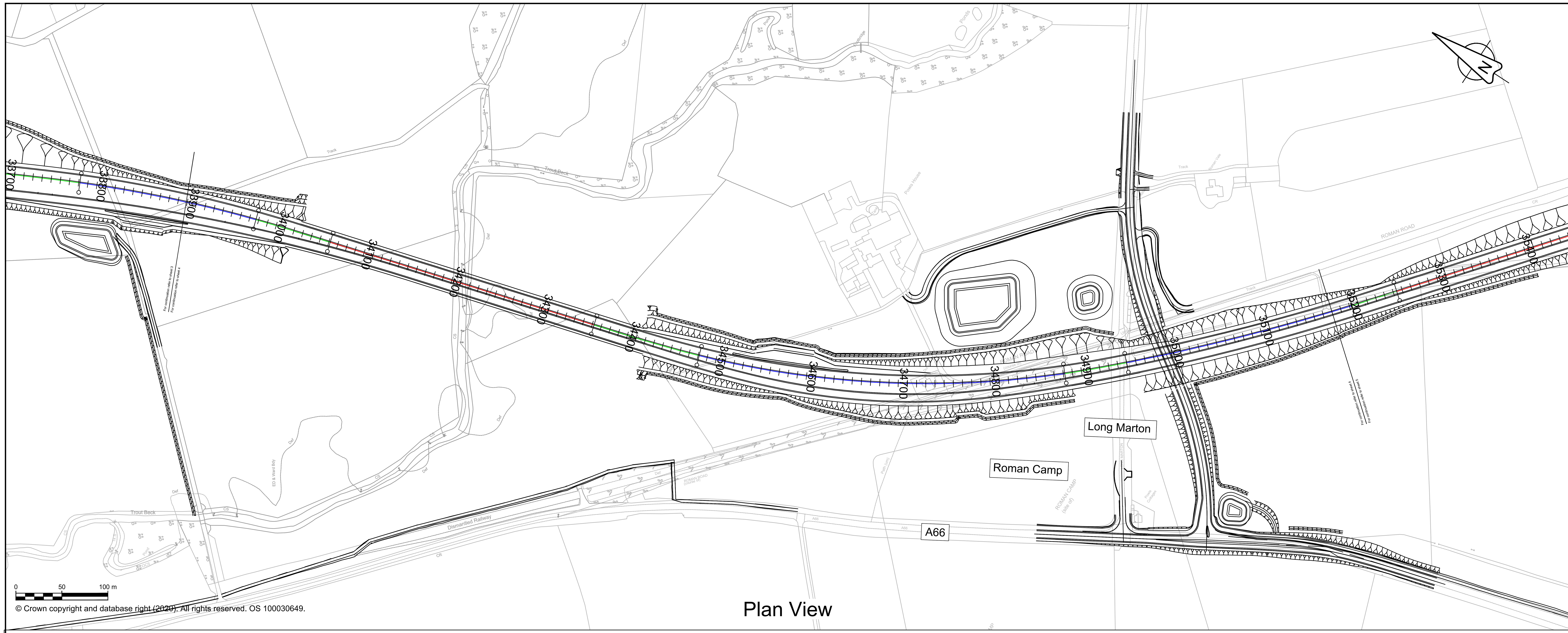
Drawing Title
Temple Sowerby to Appleby Plan and Profile Blue Option Sheet 3 of 7

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

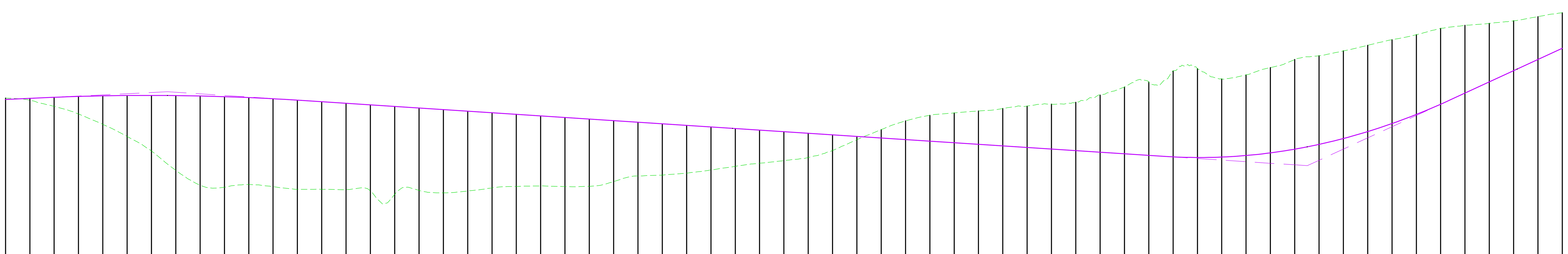
Drawing Number

Project	Originator	Volume	Location	Type	Role	Number
HE565627	AMY	HML	S0405	DR	CH	000216

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P02



Plan View



Datum: 105.000 mAOD

CHAINAGE	PROPOSED LEVELS	SURVEY LEVELS	LEVEL DIFFERENCE
33900.00	117.895	118.017	-0.122
33920.00	117.991	117.832	0.159
33940.00	118.080	117.330	0.750
33960.00	118.149	116.708	1.441
33980.00	118.197	115.860	2.336
34000.00	118.224	114.859	3.365
34020.00	118.231	113.663	4.568
34040.00	118.218	112.083	6.135
34060.00	118.184	110.855	7.329
34080.00	118.129	110.695	7.435
34100.00	118.054	110.918	7.136
34120.00	117.959	110.743	7.216
34140.00	117.843	110.525	7.318
34160.00	117.714	110.525	7.188
34180.00	117.584	110.491	7.094
34200.00	117.455	110.403	7.052
34220.00	117.325	110.115	7.210
34240.00	117.196	110.434	6.762
34260.00	117.066	110.233	6.834
34280.00	116.937	110.387	6.550
34300.00	116.807	110.641	6.166
34320.00	116.678	110.762	5.916
34340.00	116.548	110.804	5.744
34360.00	116.419	110.750	5.669
34380.00	116.289	110.777	5.512
34400.00	116.160	111.160	5.000
34420.00	116.030	111.618	4.413
34440.00	115.901	111.695	4.206
34460.00	115.771	111.848	3.923
34480.00	115.642	112.119	3.523
34500.00	115.512	112.409	3.103
34520.00	115.383	112.664	2.719
34540.00	115.253	112.878	2.375
34560.00	115.124	113.139	1.984
34580.00	114.994	113.719	1.276
34600.00	114.865	114.597	0.267
34620.00	114.735	115.424	-0.688
34640.00	114.606	116.139	-1.533
34660.00	114.476	116.601	-2.125
34680.00	114.347	116.793	-2.446
34700.00	114.217	116.955	-2.738
34720.00	114.088	117.160	-3.072
34740.00	113.958	117.354	-3.396
34760.00	113.829	117.517	-3.688
34780.00	113.699	117.669	-3.969
34800.00	113.570	118.258	-4.689
34820.00	113.440	118.920	-5.480
34840.00	113.311	119.326	-6.016
34860.00	113.188	120.238	-7.050
34880.00	113.136	120.427	-7.291
34900.00	113.174	119.580	-6.407
34920.00	113.300	119.914	-6.614
34940.00	113.515	120.515	-7.000
34960.00	113.819	121.183	-7.364
34980.00	114.212	121.484	-7.272
35000.00	114.694	121.888	-7.193
35020.00	115.265	122.345	-7.080
35040.00	115.925	122.803	-6.878
35060.00	116.673	123.215	-6.541
35080.00	117.511	123.737	-6.227
35100.00	118.422	123.982	-5.560
35120.00	119.341	124.141	-4.800
35140.00	120.260	124.354	-4.094
35160.00	121.179	124.700	-3.521
35180.00	122.098	125.014	-2.915

HORIZONTAL

R: 1440.000m L: 195.660m | A: 348.59 L: 84.384m | L =300.560m | A: 348.59 L: 119.130m | R: 1020.000m L: 400.563m | A: 348.59 L: 68.113m | R: 2381.800m L: 253.046m

VERTICAL

G =0.480% L =164.783 | R =19500.000 L =219.932 | G =-0.648% L =709.272 | R =4500.000 L =235.925 | G =4.595% L =109.289

SUPERELEVATION

L 3.5% | L= -2.5% | L= -2.5% | L -5.0% | L -5.0% | L -2.5%

R 0.000% | R= 0.0% | R= 0.0% | R 0.000% | R 0.000% | R 0.000%

0 50 100 m

Scale H 1:2500; V 1:250

Profile View

NOTES

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KEY

Plan

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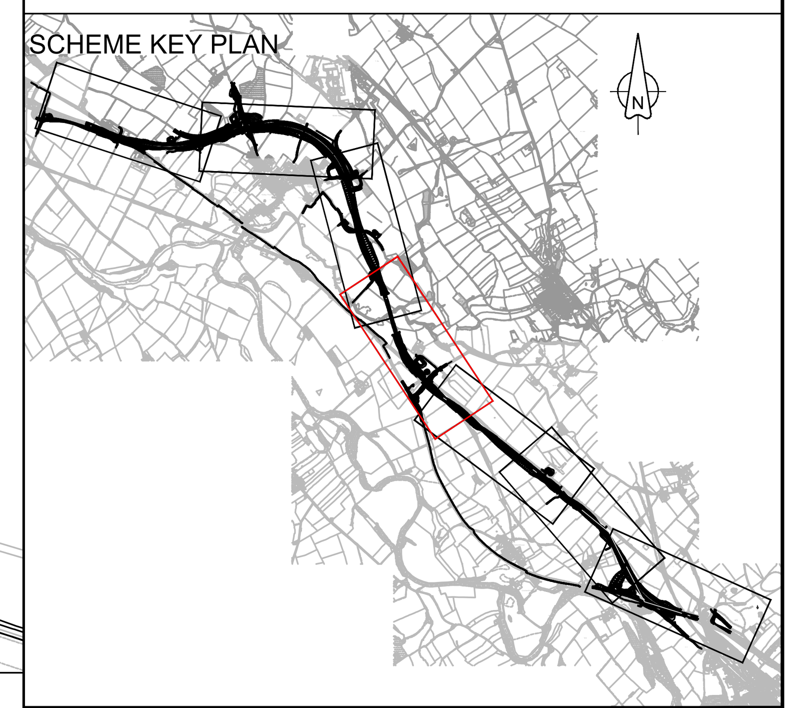
- CURVE ALIGNMENT
- STRAIGHT ALIGNMENT
- TRANSITION ALIGNMENT
- #### ROAD NAMES
- 20000 | 21400 CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

Profile

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

SCHEME KEY PLAN



Revision	Revision details				
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P01	GCHI	GCHI	SHAL	KCRO	---
	03/09/21	03/09/21	03/09/21	03/09/21	---
P02	GCHI	GCHI	SHAL	KCRO	KCRO
	10/09/21	10/09/21	10/09/21	10/09/21	10/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

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A66 NTP Integrated Project Team

Client
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M1 3BN

highways england

Project Name
A66 Northern Trans-Pennine

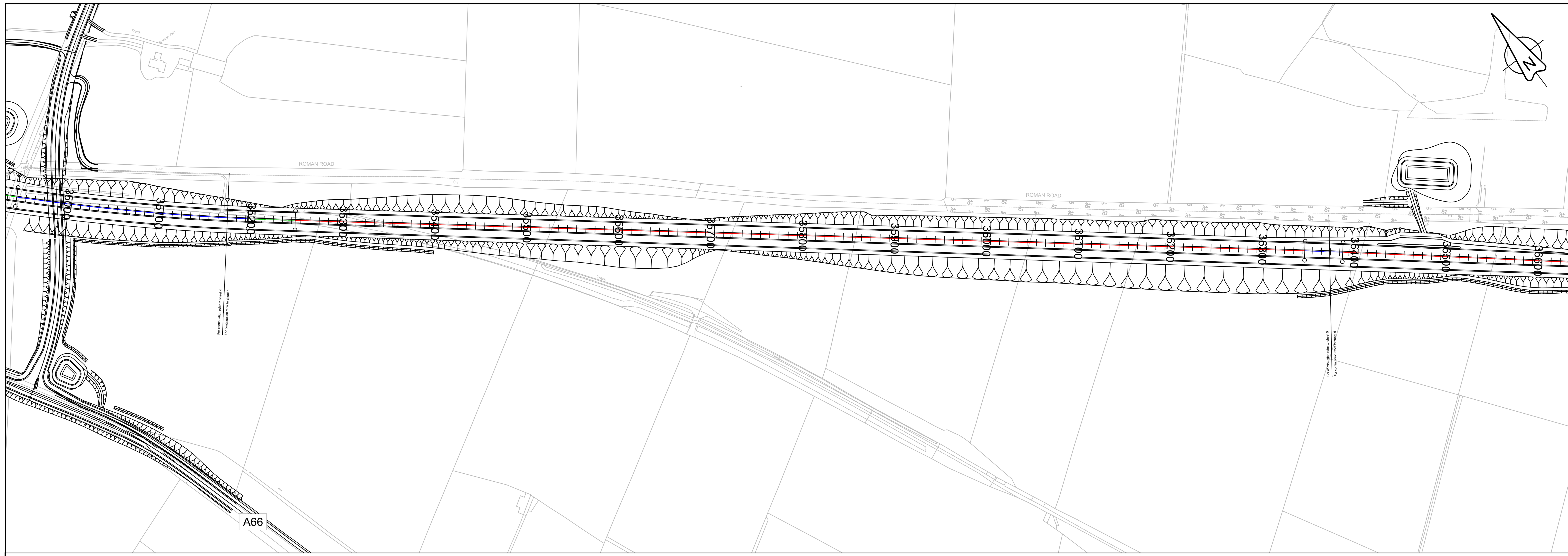
Drawing Title
Temple Sowerby to Appleby
Plan and Profile Blue Option
Sheet 4 of 7

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

Drawing Number

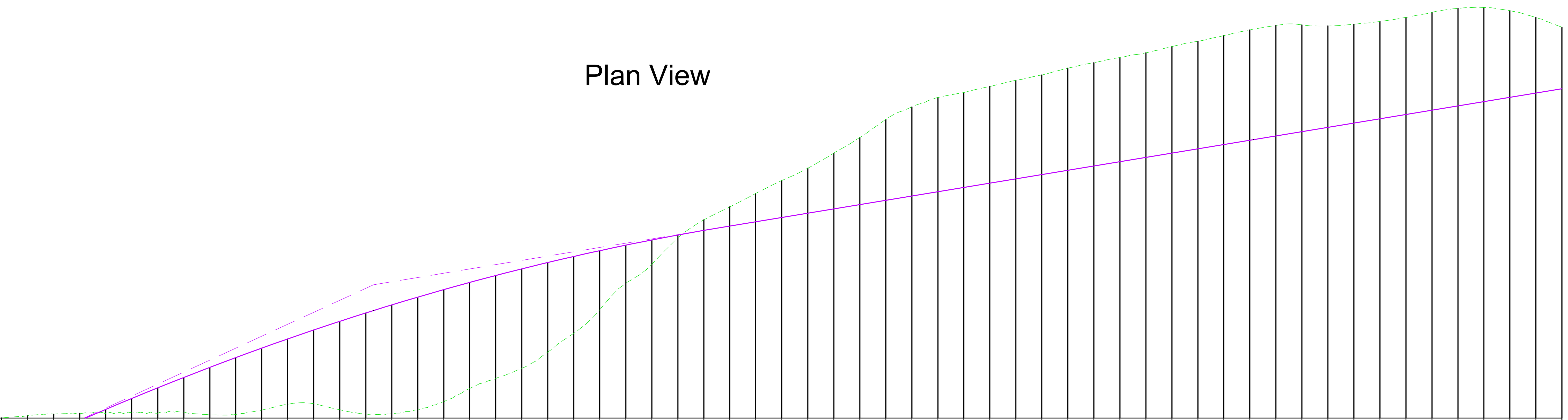
Project	Originator	Volume	Location	Type	Role	Number
HE565627	AMY	HML	S0405	DR	CH	000217

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P02



0 50 100 m

Plan View



Datum: 125.000 mAOD

CHAINAGE	35180.00	35200.00	35220.00	35240.00	35260.00	35280.00	35300.00	35320.00	35340.00	35360.00	35380.00	35400.00	35420.00	35440.00	35460.00
PROPOSED LEVELS	122.098	123.017	123.923	124.806	125.668	126.507	127.325	128.120	128.894	129.646	130.375	131.083	131.769	132.432	133.074
SURVEY LEVELS	125.014	125.182	125.301	125.372	125.366	125.401	125.376	125.397	125.242	125.275	125.617	126.072	126.103	125.642	125.324
LEVEL DIFFERENCE	-2.915	-2.165	-1.379	-0.566	0.302	1.106	1.949	2.723	3.652	4.371	4.758	5.011	5.666	6.790	7.750

CHAINAGE	35480.00	35500.00	35520.00	35540.00	35560.00	35580.00	35600.00	35620.00	35640.00	35660.00	35680.00	35700.00	35720.00	35740.00	35760.00
PROPOSED LEVELS	133.694	134.292	134.867	135.421	135.953	136.463	136.951	137.417	137.861	138.283	138.683	139.061	139.417	139.752	140.081
SURVEY LEVELS	125.340	125.633	126.252	127.274	128.042	128.827	130.074	131.520	133.327	135.358	136.801	138.851	140.226	141.222	142.262
LEVEL DIFFERENCE	8.354	8.659	8.616	8.147	7.911	7.636	6.876	5.897	4.534	2.925	1.882	0.209	-0.809	-1.471	-2.181

CHAINAGE	35780.00	35800.00	35820.00	35840.00	35860.00	35880.00	35900.00	35920.00	35940.00	35960.00	35980.00	36000.00	36020.00	36040.00	36060.00
PROPOSED LEVELS	140.410	140.740	141.069	141.399	141.728	142.057	142.387	142.716	143.045	143.375	143.704	144.034	144.363	144.692	145.022
SURVEY LEVELS	143.252	144.196	145.354	146.556	147.955	148.902	149.622	150.007	150.469	150.939	151.350	151.879	152.298	152.687	153.053
LEVEL DIFFERENCE	-2.841	-3.456	-4.285	-5.158	-6.227	-6.845	-7.235	-7.291	-7.424	-7.564	-7.646	-7.845	-7.935	-7.995	-8.032

CHAINAGE	36080.00	36100.00	36120.00	36140.00	36160.00	36180.00	36200.00	36220.00	36240.00	36260.00	36280.00	36300.00	36320.00	36340.00	36360.00	36380.00
PROPOSED LEVELS	145.351	145.681	146.010	146.339	146.669	146.998	147.328	147.657	147.986	148.316	148.645	148.975	149.304	149.633	149.963	150.292
SURVEY LEVELS	153.532	153.944	154.376	154.817	155.157	155.199	155.120	155.252	155.461	155.773	156.160	156.465	156.540	156.285	155.765	155.016
LEVEL DIFFERENCE	-8.181	-8.263	-8.366	-8.478	-8.489	-8.201	-7.793	-7.595	-7.475	-7.458	-7.515	-7.491	-7.236	-6.652	-5.802	-4.724

HORIZONTAL: R: 2381.800m L: 253.046m | A: 348.59 L: 51.017m | L =1098.079m | R: 3000.000m L: 41.253m

VERTICAL: G =4.595% L =109.289 | R =18200.000 L =536.591 | G =1.647% L =817.051

SUPERELEVATION: L -2.5% L= -2.5% | R 0.000% R= 0.0%

0 50 100 m

Scale H 1:2500; V 1:250

Profile View

NOTES

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KEY

Plan

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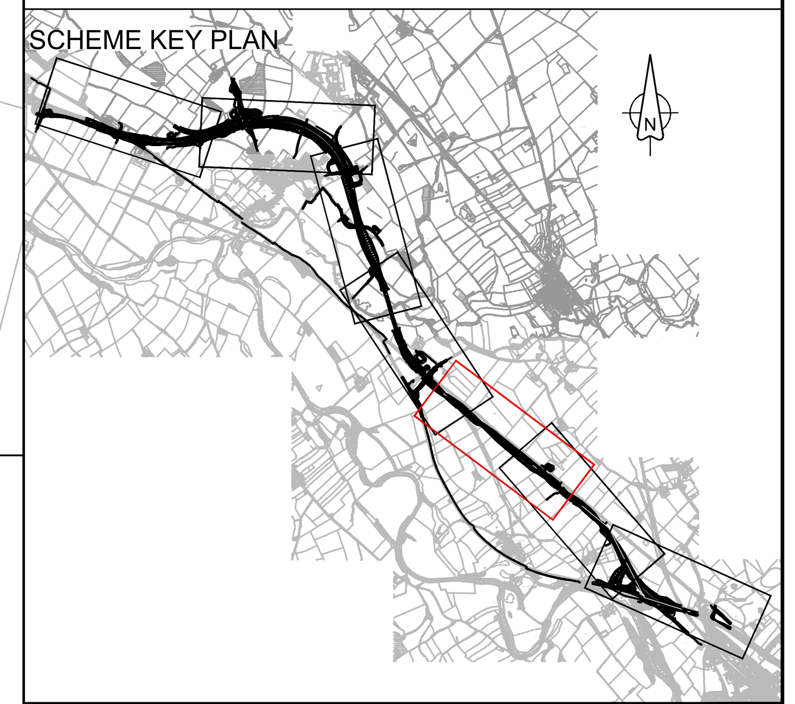
- #### ROAD NAMES
- 20000 | 21400 CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

Profile

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

SCHEME KEY PLAN



Revision	Created	Checked	Reviewed	Approved	Authorised
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	---	---	---	---	---
P01	GCHI 03/09/21	GCHI 03/09/21	SHAL 03/09/21	KCRO 03/09/21	---
P02	GCHI 10/09/21	GCHI 10/09/21	SHAL 10/09/21	KCRO 10/09/21	KCRO 10/09/21
Revision details	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer
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A66 NTP Integrated Project Team

Client
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highways england

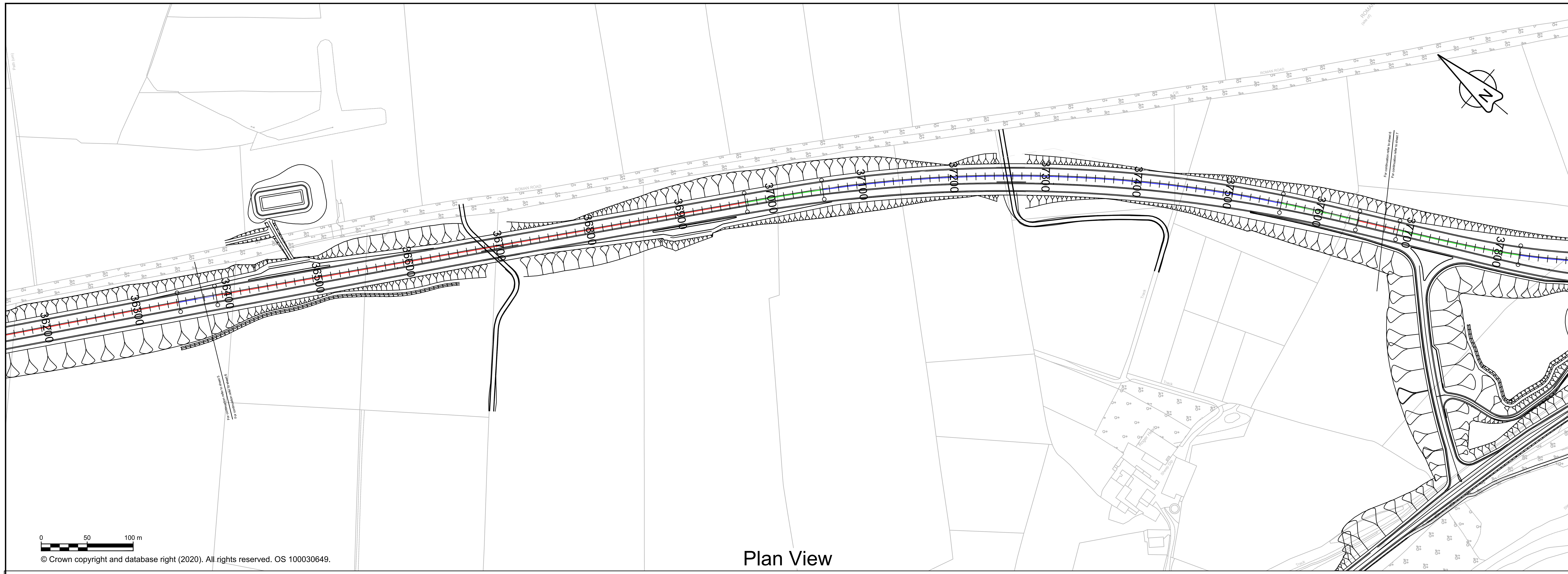
Project Name
A66 Northern Trans-Pennine

Drawing Title
Temple Sowerby to Appleby
Plan and Profile Blue Option
Sheet 5 of 7

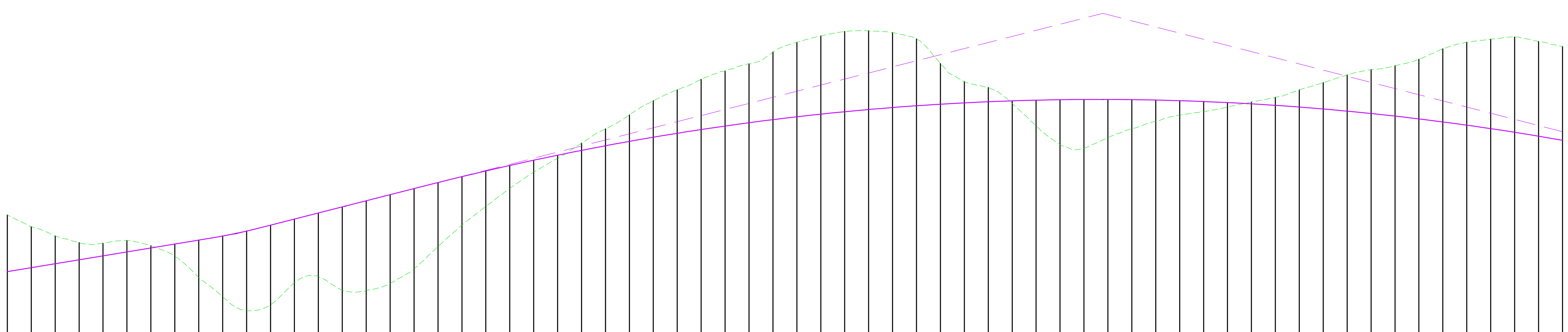
Project Ref. No.	Stage	Scale : 1:2500 @ A1
---		Dimensions : M

Drawing Number
Project | Originator | Volume |
HE565627 - AMY - HML -
S0405 -DR-CH-000218
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P02



Plan View



Datum: 145.000 mAOD

CHAINAGE	PROPOSED LEVELS	SURVEY LEVELS	LEVEL DIFFERENCE
36380.00	150.292	155.016	-4.724
36400.00	150.621	154.047	-3.425
36420.00	150.951	153.268	-2.318
36440.00	151.280	152.708	-1.428
36460.00	151.610	152.670	-1.060
36480.00	151.939	152.892	-0.953
36500.00	152.268	152.455	-0.187
36520.00	152.598	151.584	1.014
36540.00	152.927	149.802	3.125
36560.00	153.265	148.188	5.077
36580.00	153.678	147.036	6.642
36600.00	154.171	147.515	6.656
36620.00	154.679	149.367	5.312
36640.00	155.188	149.886	5.301
36660.00	155.696	148.763	6.933
36680.00	156.204	148.710	7.494
36700.00	156.712	149.313	7.399
36720.00	157.220	150.511	6.709
36740.00	157.728	152.391	5.337
36760.00	158.221	154.175	4.046
36780.00	158.696	155.732	2.964
36800.00	159.153	157.239	1.914
36820.00	159.592	158.600	0.991
36840.00	160.012	159.757	0.255
36860.00	160.415	161.016	-0.601
36880.00	160.799	162.208	-1.410
36900.00	161.165	163.374	-2.209
36920.00	161.513	164.553	-3.041
36940.00	161.842	165.466	-3.624
36960.00	162.154	166.340	-4.187
36980.00	162.447	167.040	-4.593
37000.00	162.722	167.635	-4.913
37020.00	162.979	168.619	-5.640
37040.00	163.217	169.431	-6.214
37060.00	163.438	169.964	-6.526
37080.00	163.640	170.335	-6.695
37100.00	163.825	170.396	-6.572
37120.00	163.991	170.243	-6.253
37140.00	164.138	169.710	-5.571
37160.00	164.268	167.654	-3.386
37180.00	164.379	166.154	-1.774
37200.00	164.473	165.653	-1.180
37220.00	164.548	164.325	0.223
37240.00	164.605	162.462	2.143
37260.00	164.643	160.907	3.737
37280.00	164.664	160.579	4.085
37300.00	164.666	161.473	3.193
37320.00	164.650	162.230	2.420
37340.00	164.616	162.846	1.770
37360.00	164.564	163.369	1.195
37380.00	164.494	163.647	0.847
37400.00	164.405	164.031	0.375
37420.00	164.298	164.447	-0.148
37440.00	164.173	164.839	-0.666
37460.00	164.030	165.466	-1.435
37480.00	163.869	166.066	-2.197
37500.00	163.690	166.715	-3.025
37520.00	163.492	167.147	-3.655
37540.00	163.276	167.474	-4.198
37560.00	163.042	168.023	-4.981
37580.00	162.790	168.883	-6.093
37600.00	162.520	169.438	-6.919
37620.00	162.231	169.696	-7.465
37640.00	161.924	169.875	-7.951
37660.00	161.599	169.512	-7.913
37680.00	161.256	169.076	-7.820

HORIZONTAL: R: 3000.000m L: 41.253m | L =584.653m | A: 349.86 L: 85.000m | R: 1440.000m L: 501.253m | A: 349.86 L: 85.000m | L =44.887m

VERTICAL: G =1.647% L =817.051 | R =4500.000 L =40.240 | G =2.541% L =141.995 | R =22000.000 L =1124.608

SUPERELEVATION: L= -2.5% R= 0.0% | L 3.5% R 0.000% | L 3.5% R 0.000% | L= -2.5% R= 0.0%

0 50 100 m

Scale H 1:2500; V 1:250

Profile View

NOTES

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- 20000 | 21400 CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

Profile

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

SCHEME KEY PLAN

Revision	Created	Checked	Reviewed	Approved	Authorised
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P01	GCHI 03/09/21	GCHI 03/09/21	SHAL 03/09/21	KCRO 03/09/21	---
P02	GCHI 10/09/21	GCHI 10/09/21	SHAL 10/09/21	KCRO 10/09/21	KCRO 10/09/21
Revision details	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

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Client
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highways england

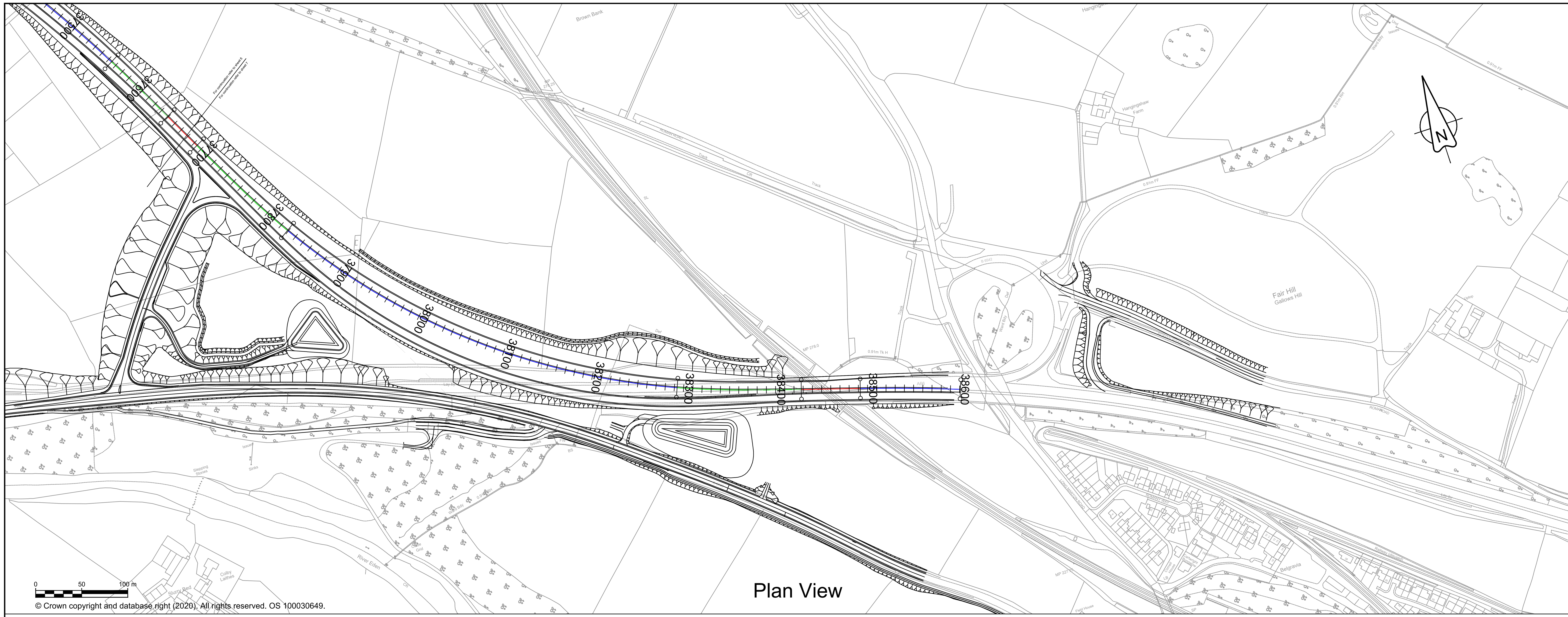
Project Name
A66 Northern Trans-Pennine

Drawing Title
Temple Sowerby to Appleby
Plan and Profile Blue Option
Sheet 6 of 7

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

Drawing Number
Project | Originator | Volume | Location | Type | Role | Number
HE565627 - AMY - HML - S0405 - DR - CH - 000219

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P02



NOTES

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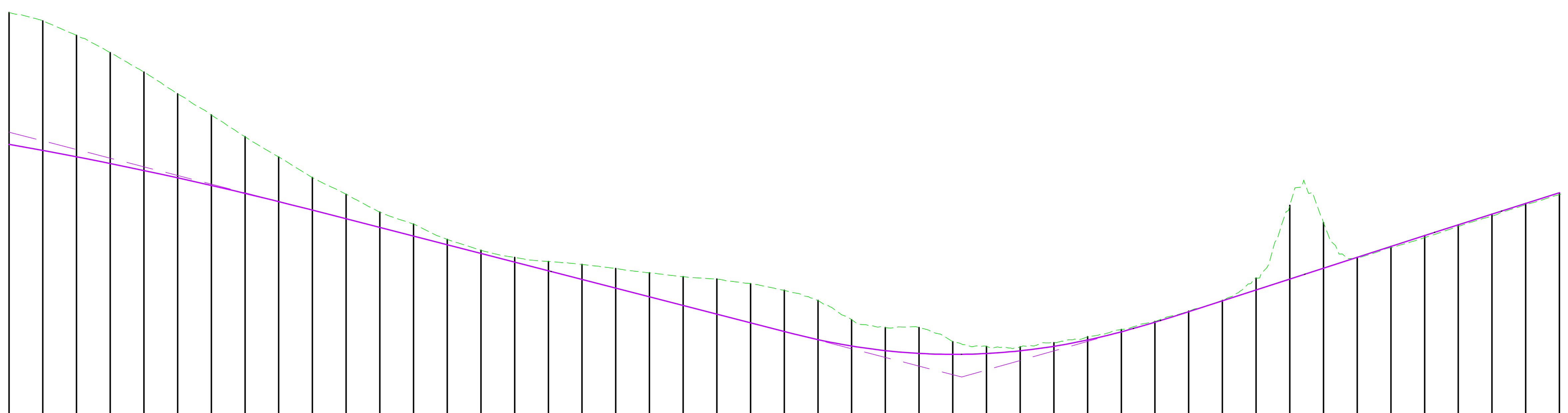
- 20000 – 21400 CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

Profile

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

SCHEME KEY PLAN



Datum: 145.000 mAOD

CHAINAGE	PROPOSED LEVELS	SURVEY LEVELS	LEVEL DIFFERENCE
37680.00	161.256	169.076	-7.820
37700.00	160.895	168.587	-7.692
37720.00	160.515	167.727	-7.212
37740.00	160.118	166.700	-6.583
37760.00	159.702	165.548	-5.846
37780.00	159.268	164.249	-4.981
37800.00	158.816	163.000	-4.184
37820.00	158.345	161.710	-3.365
37840.00	157.857	160.503	-2.647
37860.00	157.350	159.287	-1.937
37880.00	156.836	158.294	-1.458
37900.00	156.322	157.234	-0.913
37920.00	155.808	156.522	-0.715
37940.00	155.294	155.614	-0.321
37960.00	154.779	154.970	-0.190
37980.00	154.265	154.541	-0.276
38000.00	153.751	154.304	-0.553
38020.00	153.237	154.130	-0.893
38040.00	152.723	153.883	-1.160
38060.00	152.209	153.636	-1.427
38080.00	151.695	153.397	-1.702
38100.00	151.180	153.258	-2.078
38120.00	150.666	152.991	-2.325
38140.00	150.152	152.594	-2.442
38160.00	149.667	151.991	-2.324
38180.00	149.286	150.848	-1.562
38200.00	149.013	150.384	-1.371
38220.00	148.848	150.384	-1.535
38240.00	148.792	149.550	-0.758
38260.00	148.843	149.264	-0.421
38280.00	149.003	149.234	-0.231
38300.00	149.270	149.480	-0.209
38320.00	149.646	149.840	-0.193
38340.00	150.130	150.262	-0.132
38360.00	150.700	150.743	-0.043
38380.00	151.324	151.352	-0.029
38400.00	151.969	151.990	-0.021
38420.00	152.615	153.312	-0.697
38440.00	153.260	157.631	-4.371
38460.00	153.906	156.603	-2.697
38480.00	154.551	154.506	0.046
38500.00	155.197	155.127	0.070
38520.00	155.843	155.720	0.123
38540.00	156.480	156.387	0.092
38560.00	157.113	156.996	0.117
38580.00	157.747	157.678	0.069
38600.81	158.380	158.282	0.098

HORIZONTAL: L =44.887m | A: 318.20 L: 135.000m | R: 750.000m L: 463.942m | A: 318.20 L: 135.000m | L =64.064m | R: 2322.432m L: 108.798m

VERTICAL: R =22000.000 L =1124.608 | G =-2.571% L =287.237 | R =3700.000 L =199.767 | G =2.828% L =4.358 | R =7000.000 L =27.943 | G =3.228% L =143.041 | R =18200.000 L =10.916 | G =3.168% L =68.658

SUPERELEVATION: L= -2.5% R= 0.0% | L -7.0% R 0.000% | L -7.0% R 0.000% | L= -2.5% R= 0.0% | L= -2.5% R= 0.0% | L 2.5% R 0.000% | L 2.5% R 0.000%

0 50 100 m

Scale H 1:2500; V 1:250

Profile View

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	---	---	---	---	---
P01	GCHI 03/09/21	GCHI 03/09/21	SHAL 03/09/21	KCRO 03/09/21	---
P02	GCHI 10/09/21	GCHI 10/09/21	SHAL 10/09/21	KCRO 10/09/21	KCRO 10/09/21
Revision	Revision details: Created dd/mm/yy	Checked dd/mm/yy	Reviewed dd/mm/yy	Approved dd/mm/yy	Authorised dd/mm/yy

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A66 NTP Integrated Project Team

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highways england

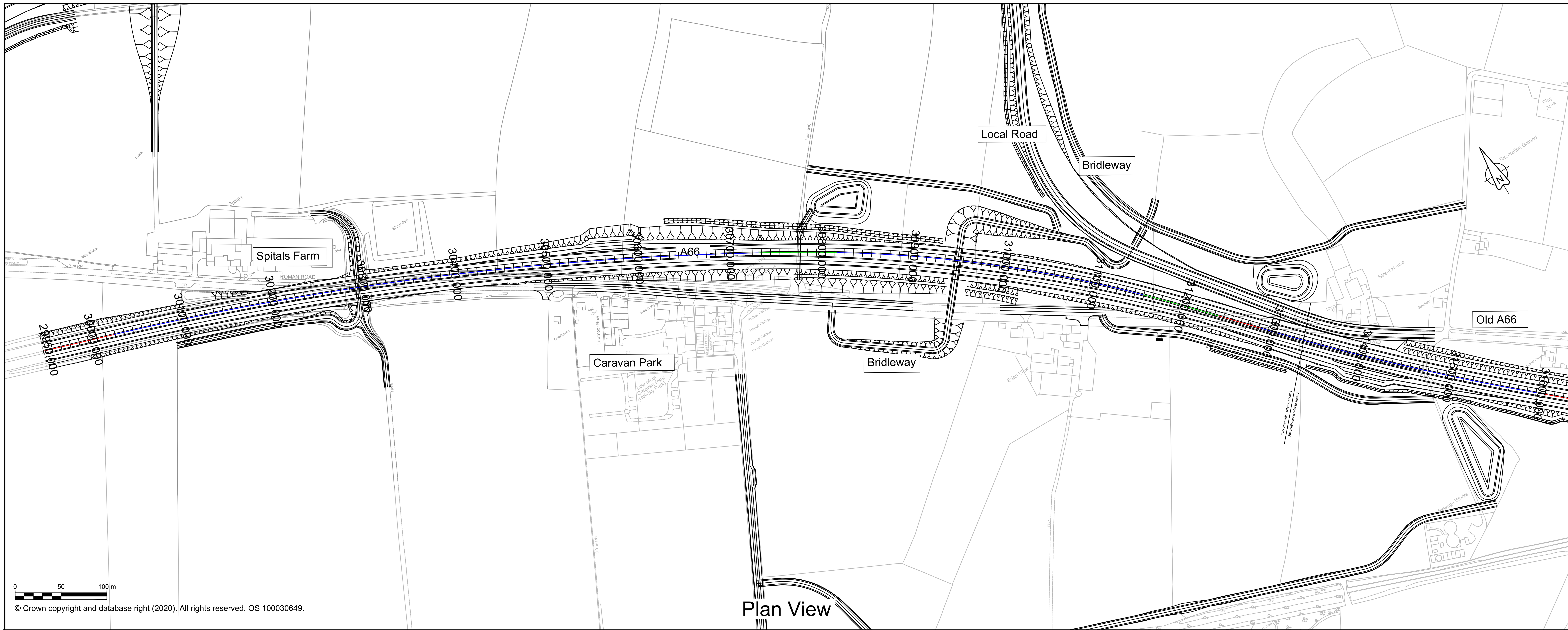
Project Name
A66 Northern Trans-Pennine

Drawing Title
Temple Sowerby to Appleby
Plan and Profile Blue Option
Sheet 7 of 7

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

Drawing Number
Project | Originator | Volume | Location | Type | Role | Number
HE565627 - AMY - HML - S0405 - DR - CH - 000220

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P02



Plan View

Datum: 110.000 mAOD

CHAINAGE	PROPOSED LEVELS	SURVEY LEVELS	LEVEL DIFFERENCE
29950.00	124.541	124.485	0.056
29960.00	124.681	124.614	0.066
29980.00	124.960	124.836	0.124
30000.00	125.240	125.112	0.128
30020.00	125.509	125.367	0.141
30040.00	125.759	125.567	0.192
30060.00	125.990	125.817	0.173
30080.00	126.203	126.081	0.122
30100.00	126.397	126.250	0.147
30120.00	126.572	126.441	0.132
30140.00	126.729	126.533	0.196
30160.00	126.867	126.628	0.239
30180.00	126.986	126.692	0.294
30200.00	127.087	126.688	0.399
30220.00	127.168	126.692	0.476
30240.00	127.232	126.746	0.486
30260.00	127.276	126.901	0.375
30280.00	127.302	126.935	0.367
30300.00	127.309	126.363	0.946
30320.00	127.297	126.649	0.648
30340.00	127.267	126.384	0.884
30360.00	127.218	126.205	1.013
30380.00	127.150	126.120	1.030
30400.00	127.064	125.906	1.158
30420.00	126.959	125.681	1.278
30440.00	126.835	125.302	1.534
30460.00	126.693	124.859	1.834
30480.00	126.532	124.557	1.975
30500.00	126.352	124.303	2.049
30520.00	126.153	123.987	2.167
30540.00	125.936	123.459	2.477
30560.00	125.700	122.767	2.933
30580.00	125.446	122.004	3.442
30600.00	125.172	121.055	4.117
30620.00	124.881	120.280	4.600
30640.00	124.570	119.456	5.114
30660.00	124.241	118.739	5.502
30680.00	123.892	118.362	5.530
30700.00	123.526	118.182	5.344
30720.00	123.140	118.050	5.091
30740.00	122.736	117.927	4.809
30760.00	122.313	117.601	4.712
30780.00	121.872	117.695	4.177
30800.00	121.412	117.649	3.763
30820.00	120.933	117.847	3.086
30840.00	120.440	118.177	2.263
30860.00	119.987	118.446	1.541
30880.00	119.639	118.699	0.940
30900.00	119.398	118.707	0.691
30920.00	119.216	118.724	0.491
30940.00	119.016	118.981	0.036
30960.00	118.798	119.019	-0.220
30980.00	118.562	119.062	-0.499
31000.00	118.308	119.099	-0.790
31020.00	118.036	119.103	-1.067
31040.00	117.745	119.024	-1.278
31060.00	117.437	118.648	-1.212
31080.00	117.110	118.251	-1.142
31100.00	116.765	117.758	-0.993
31120.00	116.401	117.272	-0.871
31140.00	116.020	116.720	-0.700
31160.00	115.620	116.349	-0.729
31180.00	115.203	115.850	-0.648
31200.00	114.767	115.480	-0.713
31220.00	114.312	114.911	-0.598
31240.00	113.840	114.282	-0.442
31260.00	113.350	113.645	-0.295
31280.00	112.841	113.024	-0.183
31300.00	112.314	112.303	0.011
31320.00	111.769	111.614	0.155
31340.00	111.206	110.857	0.349

HORIZONTAL: L =79.323m; R: 3400.000m L: 707.838m; A: 460.79 L: 85.000m; R: 1440.000m L: 336.841m; A: 349.86 L: 85.000m; L =49.296m; R: 2880.000m L: 315.865m

VERTICAL: G =1.398% L =48.482; R =21400.000 L =826.866; G =-2.466% L =17.357; R =3750.000 L =59.733; G =-0.873% L =0.083; R =22000.000 L =455.952

SUPERELEVATION: L= -2.5% R= 0.0%; L= -2.5% R= 0.0%; L -2.5% R 0.000%; L= -2.5% R= 0.0%; L= -2.5% R= 0.0%; L 3.5% R 0.000%; L 3.5% R 0.000%; L= -2.5% R= 0.0%

0 50 100 m

Scale H 1:2500; V 1:250

Profile View

NOTES

1. ALL DIMENSIONS ARE IN METRES ABOVE DATUM UNLESS NOTED OTHERWISE.
2. THE DESIGN SHOWN ON THESE ENGINEERING SECTION DRAWINGS IS ILLUSTRATIVE AND WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT.

KEY

Plan

- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- CURVE ALIGNMENT
- STRAIGHT ALIGNMENT
- TRANSITION ALIGNMENT
- #### ROAD NAMES
- 20000 | 21400 CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

Profile

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

SCHEME KEY PLAN

Revision					
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	---	---	---	---	---
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	---	---	---	---	---
P01	GCHI 07/09/21	GCHI 07/09/21	SHAL 07/09/21	KCRO 07/09/21	--- ---
Revision	Revision details				
	Created dd/mm/yy	Checked dd/mm/yy	Reviewed dd/mm/yy	Approved dd/mm/yy	Authorised dd/mm/yy

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

A66 NTP Integrated Project Team

Client
3 Piccadilly Place
Manchester
M1 3BN

highways england

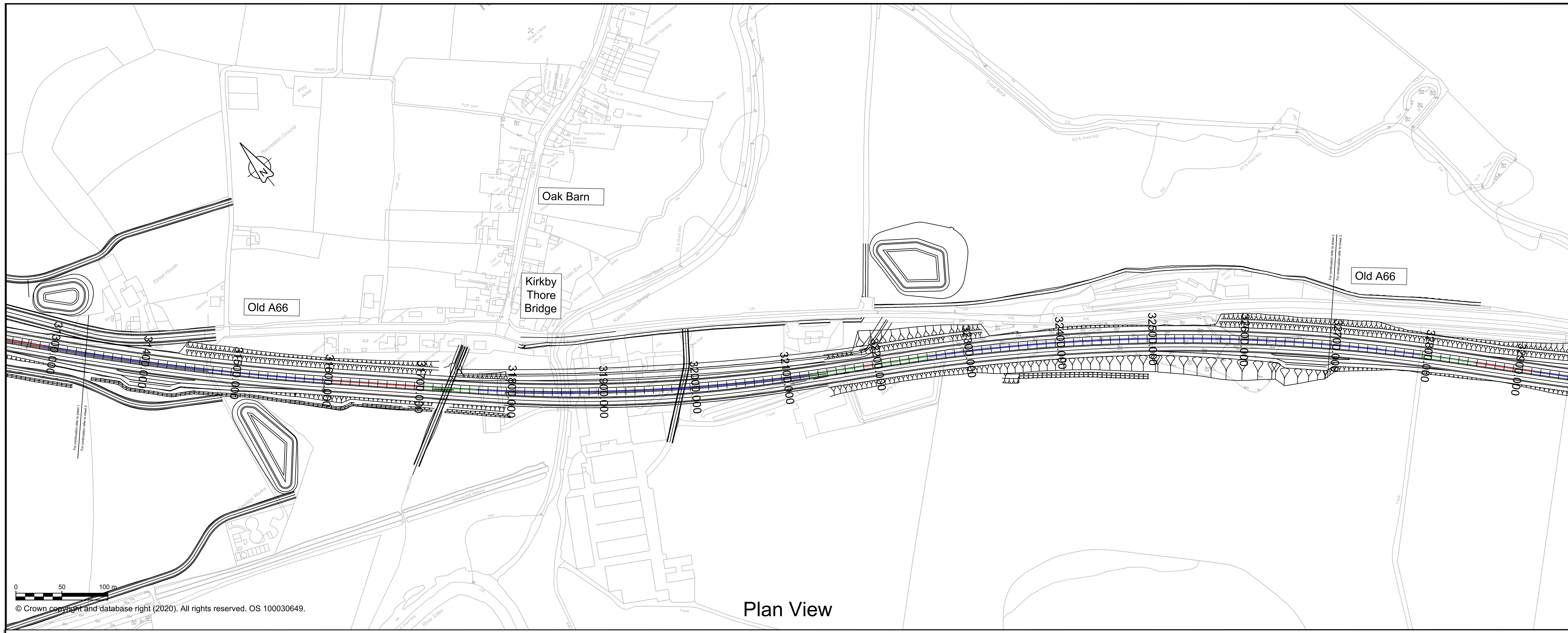
Project Name
A66 Northern Trans-Pennine

Drawing Title
Temple Sowerby to Appleby
Plan and Profile Orange Option
Sheet 1 of 6

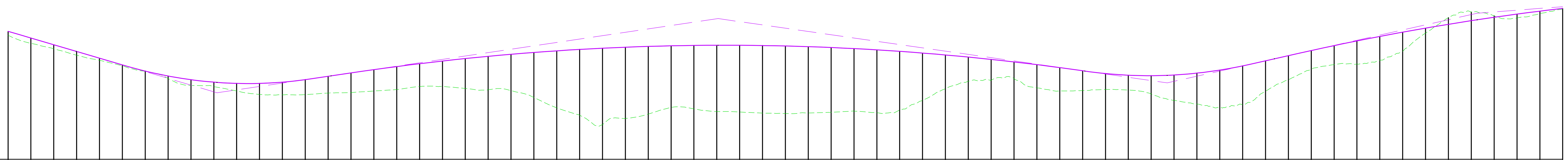
Project Ref. No.	Stage	Scale : 1:2500 @ A1
---		Dimensions : M

Drawing Number
Project | Originator | Volume |
HE565627 - AMY - HML -
S0405 -DR-CH-000314
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01



Plan View



Datum: 100.000 mAOD

CHAINAGE	PROPOSED LEVELS	SURVEY LEVELS	LEVEL DIFFERENCE
31340.00	111.206	110.857	0.349
31360.00	110.624	110.154	0.470
31380.00	110.035	109.683	0.352
31400.00	109.446	109.114	0.332
31420.00	108.857	108.676	0.181
31440.00	108.268	108.200	0.067
31460.00	107.728	107.699	0.028
31480.00	107.296	107.076	0.219
31500.00	106.972	106.475	0.497
31520.00	106.756	106.367	0.389
31540.00	106.649	105.985	0.663
31560.00	106.649	105.677	0.972
31580.00	106.758	105.648	1.110
31600.00	106.974	105.661	1.314
31620.00	107.268	105.799	1.469
31640.00	107.564	105.839	1.726
31660.00	107.852	105.981	1.871
31680.00	108.122	106.109	2.012
31700.00	108.373	106.376	1.997
31720.00	108.606	106.385	2.221
31740.00	108.821	106.202	2.619
31760.00	109.018	106.088	2.930
31780.00	109.197	106.017	3.180
31800.00	109.358	105.416	3.941
31820.00	109.500	104.505	4.995
31840.00	109.624	103.862	5.762
31860.00	109.730	103.036	6.694
31880.00	109.818	103.581	6.237
31900.00	109.888	103.957	5.930
31920.00	109.939	104.538	5.401
31940.00	109.972	104.417	5.555
31960.00	109.988	104.178	5.810
31980.00	109.984	104.142	5.842
32000.00	109.963	104.053	5.911
32020.00	109.924	104.014	5.910
32040.00	109.866	104.055	5.811
32060.00	109.790	104.118	5.673
32080.00	109.696	104.223	5.474
32100.00	109.584	104.072	5.512
32120.00	109.454	104.299	5.155
32140.00	109.305	105.167	4.138
32160.00	109.139	106.188	2.951
32180.00	108.954	106.836	2.118
32200.00	108.751	106.926	1.825
32220.00	108.529	107.071	1.458
32240.00	108.290	106.266	2.024
32260.00	108.032	105.980	2.052
32280.00	107.756	106.030	1.727
32300.00	107.510	106.120	1.390
32320.00	107.366	106.068	1.298
32340.00	107.324	105.723	1.601
32360.00	107.385	105.153	2.232
32380.00	107.549	104.831	2.718
32400.00	107.814	104.566	3.248
32420.00	108.183	104.783	3.400
32440.00	108.628	105.964	2.664
32460.00	109.078	106.973	2.105
32480.00	109.525	107.890	1.636
32500.00	109.956	108.298	1.658
32520.00	110.368	108.344	2.024
32540.00	110.760	108.674	2.086
32560.00	111.134	109.478	1.656
32580.00	111.488	111.052	0.436
32600.00	111.823	112.405	-0.582
32620.00	112.140	112.903	-0.763
32640.00	112.437	112.564	-0.127
32660.00	112.715	112.374	0.341
32680.00	112.974	112.758	0.216
32700.00	113.214	113.170	0.044

HORIZONTAL

R: 2880.000m L: 315.865m | L =98.542m | A: 337.64 L: 60.000m | R: 1900.000m L: 362.649m | A: 337.64 L: 60.000m | L=11.700m | A: 341.17 L: 60.000m | R: 1940.000m L: 535.121m

VERTICAL

R =22000.000 L =455.952 | G =-2.946% L =82.444 | R =3700.000 L =163.832 | G =1.482% L =35.788 | R =22000.000 L =641.320 | G =-1.433% L =0.395 | R =3900.000 L =143.588 | G =2.249% L =44.044 | R =21000.000 L =310.709

SUPERELEVATION

L= -2.5% | L -2.7% | L -2.7% | L= -2.5% | L= -2.5% | L 2.6%

R= 0.0% | R 0.000% | R 0.000% | R=0.0% | R= 0.0% | R 0.000%

0 50 100 m

Scale H 1:2500; V 1:250

Profile View

NOTES

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

Plan

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- #### ROAD NAMES
- 20000 | 21400 CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

Profile

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

SCHEME KEY PLAN

Revision	Revision details				
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	---	---	---	---	---
P01	GCHI	GCHI	SHAL	KCRO	---
	07/09/21	07/09/21	07/09/21	07/09/21	---
Revision	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

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

A66 NTP Integrated Project Team

Client
3 Piccadilly Place
Manchester
M1 3BN

highways england

Project Name
A66 Northern Trans-Pennine

Drawing Title
Temple Sowerby to Appleby
Plan and Profile Orange Option
Sheet 2 of 6

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

Drawing Number
Project | Originator | Volume |
HE565627 - AMY - HML -
S0405 -DR-CH-000315
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01

Plan View

NOTES

1. ALL DIMENSIONS ARE IN METRES ABOVE DATUM UNLESS NOTED OTHERWISE.
2. THE DESIGN SHOWN ON THESE ENGINEERING SECTION DRAWINGS IS ILLUSTRATIVE AND WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT.

KEY

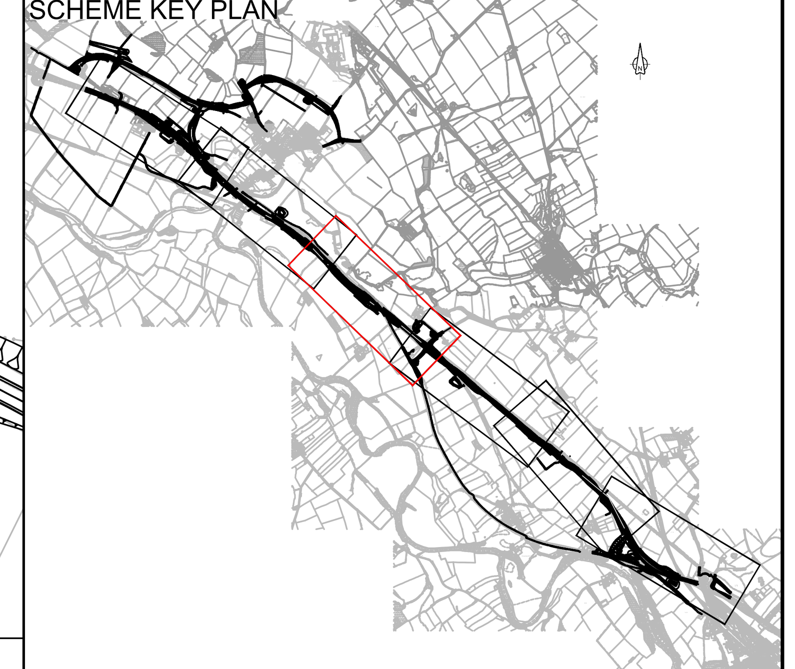
Plan

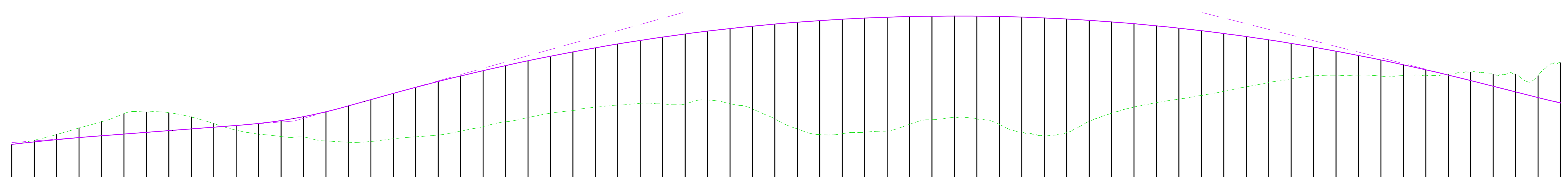
- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- CURVE ALIGNMENT
- STRAIGHT ALIGNMENT
- TRANSITION ALIGNMENT
- #### ROAD NAMES
- 20000 | 21400 CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

Profile

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

SCHEME KEY PLAN





Datum: 110.000 mAOD

CHAINAGE	32700.00	32720.00	32740.00	32760.00	32780.00	32800.00	32820.00	32840.00	32860.00	32880.00
PROPOSED LEVELS	113.214	113.436	113.638	113.821	113.985	114.138	114.292	114.446	114.600	114.754
SURVEY LEVELS	113.170	113.563	114.100	114.683	115.242	115.960	116.096	116.036	115.655	115.077
LEVEL DIFFERENCE	0.044	-0.128	-0.462	-0.863	-1.257	-1.822	-1.804	-1.590	-1.055	-0.323

CHAINAGE	32900.00	32920.00	32940.00	32960.00	32980.00	33000.00	33020.00	33040.00	33060.00	33080.00
PROPOSED LEVELS	114.908	115.084	115.345	115.695	116.134	116.661	117.221	117.779	118.319	118.838
SURVEY LEVELS	114.487	114.126	113.913	113.879	113.522	113.404	113.471	113.721	113.892	114.053
LEVEL DIFFERENCE	0.420	0.957	1.432	1.816	2.612	3.257	3.749	4.058	4.427	4.784

CHAINAGE	33100.00	33120.00	33140.00	33160.00	33180.00	33200.00	33220.00	33240.00	33260.00	33280.00
PROPOSED LEVELS	119.334	119.808	120.261	120.691	121.099	121.486	121.850	122.193	122.513	122.812
SURVEY LEVELS	114.399	114.802	115.240	115.613	116.005	116.243	116.535	116.716	116.886	116.842
LEVEL DIFFERENCE	4.935	5.006	5.021	5.078	5.095	5.243	5.316	5.477	5.627	5.970

CHAINAGE	33300.00	33320.00	33340.00	33360.00	33380.00	33400.00	33420.00	33440.00	33460.00	33480.00
PROPOSED LEVELS	123.089	123.343	123.576	123.786	123.975	124.142	124.286	124.409	124.510	124.589
SURVEY LEVELS	116.822	117.180	116.850	116.383	115.493	114.598	114.084	114.164	114.294	114.415
LEVEL DIFFERENCE	6.267	6.163	6.726	7.404	8.482	9.544	10.202	10.245	10.216	10.173

CHAINAGE	33500.00	33520.00	33540.00	33560.00	33580.00	33600.00	33620.00	33640.00	33660.00	33680.00
PROPOSED LEVELS	124.645	124.680	124.693	124.684	124.653	124.600	124.525	124.427	124.308	124.167
SURVEY LEVELS	115.011	115.422	115.641	115.481	115.004	114.336	113.990	114.291	115.249	115.992
LEVEL DIFFERENCE	9.634	9.258	9.052	9.203	9.649	10.264	10.535	10.137	9.059	8.176

CHAINAGE	33700.00	33720.00	33740.00	33760.00	33780.00	33800.00	33820.00	33840.00	33860.00	33880.00
PROPOSED LEVELS	124.004	123.819	123.612	123.384	123.133	122.860	122.565	122.248	121.909	121.548
SURVEY LEVELS	116.558	116.947	117.277	117.588	117.962	118.354	118.744	119.074	119.350	119.400
LEVEL DIFFERENCE	7.446	6.872	6.335	5.796	5.171	4.505	3.821	3.174	2.559	2.149

CHAINAGE	33900.00	33920.00	33940.00	33960.00	33980.00	34000.00	34020.00	34040.00	34060.00	34080.00
PROPOSED LEVELS	121.166	120.761	120.334	119.885	119.415	118.922	118.414	117.905	117.397	116.935
SURVEY LEVELS	119.403	119.312	119.383	119.401	119.475	119.653	119.467	119.496	119.351	120.504
LEVEL DIFFERENCE	1.763	1.449	0.952	0.484	-0.060	-0.731	-1.053	-1.591	-1.955	-3.569

HORIZONTAL

- R: 1940.000m L: 535.121m
- A: 341.17 L: 60.000m
- L =65.505m
- R: 2880.000m L: 606.303m
- L =110.743m
- R: 2880.000m L: 355.855m
- R: 2880.000m L: 127.446m

VERTICAL

- R =21000.000 L =310.709
- G =0.760% L =125.268
- R =4500.000 L =91.373
- G =2.900% L =34.887
- R =18200.000 L =972.489
- G =-2.544% L =56.775
- R =3700.000 L =199.446

SUPERELEVATION

- L 2.6% L= -2.5%
- R 0.00% R 0.0%

0 50 100 m

Scale H 1:2500; V 1:250

Profile View

Revision						
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		---	---	---	---	---
P01		GCHI 07/09/21	GCHI 07/09/21	SHAL 07/09/21	KCRO 07/09/21	---
	Revision details					
Revision		Created dd/mm/yy	Checked dd/mm/yy	Reviewed dd/mm/yy	Approved dd/mm/yy	Authorised dd/mm/yy

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

A66 NTP Integrated Project Team

Client
3 Piccadilly Place
Manchester
M1 3BN

highways england

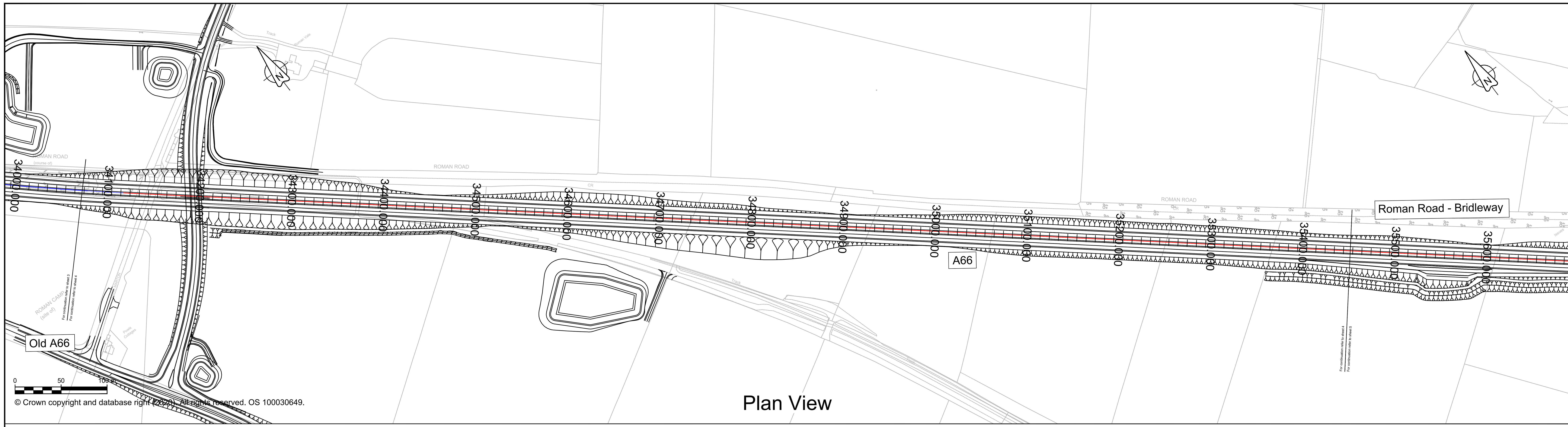
Project Name
A66 Northern Trans-Pennine

Drawing Title
Temple Sowerby to Appleby
Plan and Profile Orange Option
Sheet 3 of 6

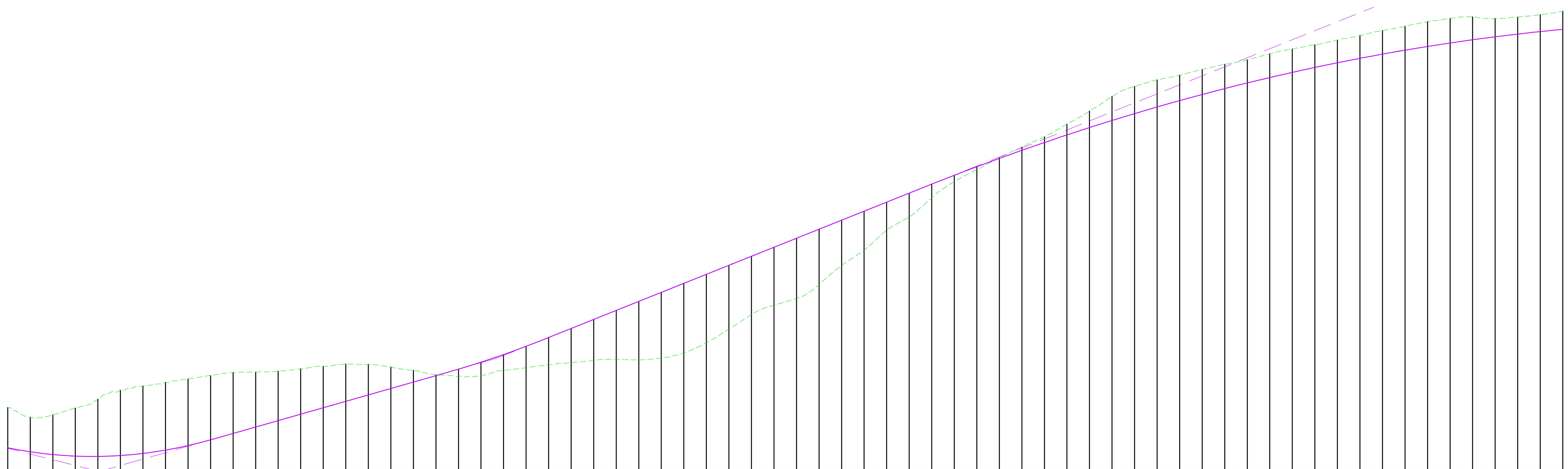
Project Ref. No.	Stage	Scale : 1:2500 @ A1
---		Dimensions : M

Drawing Number
Project | Originator | Volume |
HE565627 - AMY - HML -
S0405 -DR-CH-000316
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01



Plan View



Datum: 115.000 mAOD

CHAINAGE	PROPOSED LEVELS	SURVEY LEVELS	LEVEL DIFFERENCE
34080.00	116.935	120.504	-3.569
34100.00	116.581	119.634	-3.053
34120.00	116.335	119.853	-3.518
34140.00	116.197	120.456	-4.259
34160.00	116.167	121.251	-5.084
34180.00	116.246	122.042	-5.797
34200.00	116.432	122.409	-5.977
34220.00	116.727	122.733	-6.006
34240.00	117.129	123.042	-5.912
34260.00	117.640	123.336	-5.696
34280.00	118.209	123.609	-5.400
34300.00	118.779	123.654	-4.875
34320.00	119.348	123.723	-4.375
34340.00	119.918	123.935	-4.018
34360.00	120.487	124.145	-3.658
34380.00	121.056	124.353	-3.297
34400.00	121.626	124.326	-2.700
34420.00	122.195	124.088	-1.893
34440.00	122.764	123.801	-1.036
34460.00	123.334	123.405	-0.072
34480.00	123.906	123.263	0.643
34500.00	124.524	123.316	1.208
34520.00	125.199	123.801	1.398
34540.00	125.930	124.042	1.889
34560.00	126.717	124.292	2.425
34580.00	127.517	124.472	3.045
34600.00	128.317	124.687	3.630
34620.00	129.117	124.773	4.344
34640.00	129.917	124.725	5.192
34660.00	130.717	124.870	5.846
34680.00	131.517	125.316	6.201
34700.00	132.317	126.243	6.073
34720.00	133.117	127.446	5.670
34740.00	133.917	128.766	5.150
34760.00	134.717	129.580	5.137
34780.00	135.517	130.172	5.344
34800.00	136.317	131.409	4.907
34820.00	137.117	133.107	4.010
34840.00	137.917	134.449	3.468
34860.00	138.717	136.221	2.496
34880.00	139.517	137.408	2.109
34900.00	140.315	139.101	1.214
34920.00	141.095	140.549	0.547
34940.00	141.854	141.598	0.257
34960.00	142.592	142.651	-0.059
34980.00	143.308	143.608	-0.301
35000.00	144.002	144.513	-0.511
35020.00	144.675	145.627	-0.951
35040.00	145.327	146.785	-1.459
35060.00	145.957	148.078	-2.121
35080.00	146.565	148.979	-2.414
35100.00	147.152	149.557	-2.405
35120.00	147.717	149.977	-2.260
35140.00	148.261	150.486	-2.224
35160.00	148.784	150.933	-2.149
35180.00	149.285	151.345	-2.061
35200.00	149.764	151.870	-2.106
35220.00	150.222	152.300	-2.078
35240.00	150.658	152.662	-2.004
35260.00	151.073	153.076	-2.003
35280.00	151.467	153.487	-2.020
35300.00	151.838	153.924	-2.085
35320.00	152.189	154.306	-2.117
35340.00	152.518	154.717	-2.199
35360.00	152.825	155.006	-2.181
35380.00	153.111	155.136	-2.025
35400.00	153.375	155.000	-1.624
35420.00	153.618	155.133	-1.515
35440.00	153.839	155.328	-1.488
35460.00	154.039	155.643	-1.604

HORIZONTAL: R: 2880.000m L: 127.446m | L =2060.120m

VERTICAL: R =3700.000 L =199.446 | G =2.847% L =212.311 | R =7000.000 L =80.722 | G =4.000% L =337.979 | R =18600.000 L =844.933

SUPERELEVATION

0 50 100 m

Scale H 1:2500; V 1:250

Profile View

NOTES

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2. THE DESIGN SHOWN ON THESE ENGINEERING SECTION DRAWINGS IS ILLUSTRATIVE AND WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT.

KEY

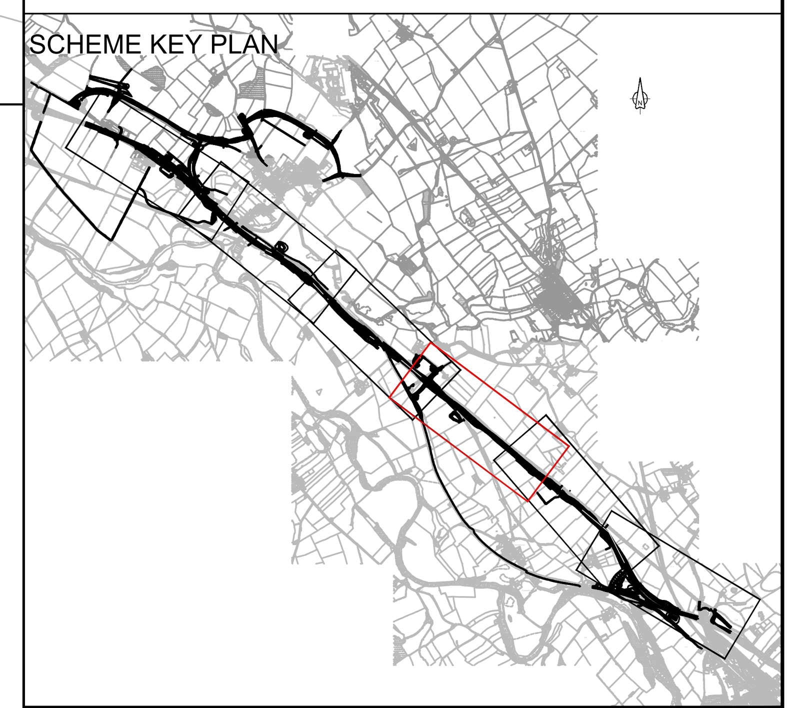
Plan

- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- CURVE ALIGNMENT
- STRAIGHT ALIGNMENT
- TRANSITION ALIGNMENT
- #### ROAD NAMES
- 20000 | 21400 CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

Profile

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

SCHEME KEY PLAN



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P01	GCHI 07/09/21	GCHI 07/09/21	SHAL 07/09/21	KCRO 07/09/21	---
Revision	Revision details Created dd/mm/yy	Checked dd/mm/yy	Reviewed dd/mm/yy	Approved dd/mm/yy	Authorised dd/mm/yy

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

A66 NTP Integrated Project Team

Client
3 Piccadilly Place
Manchester
M1 3BN

highways england

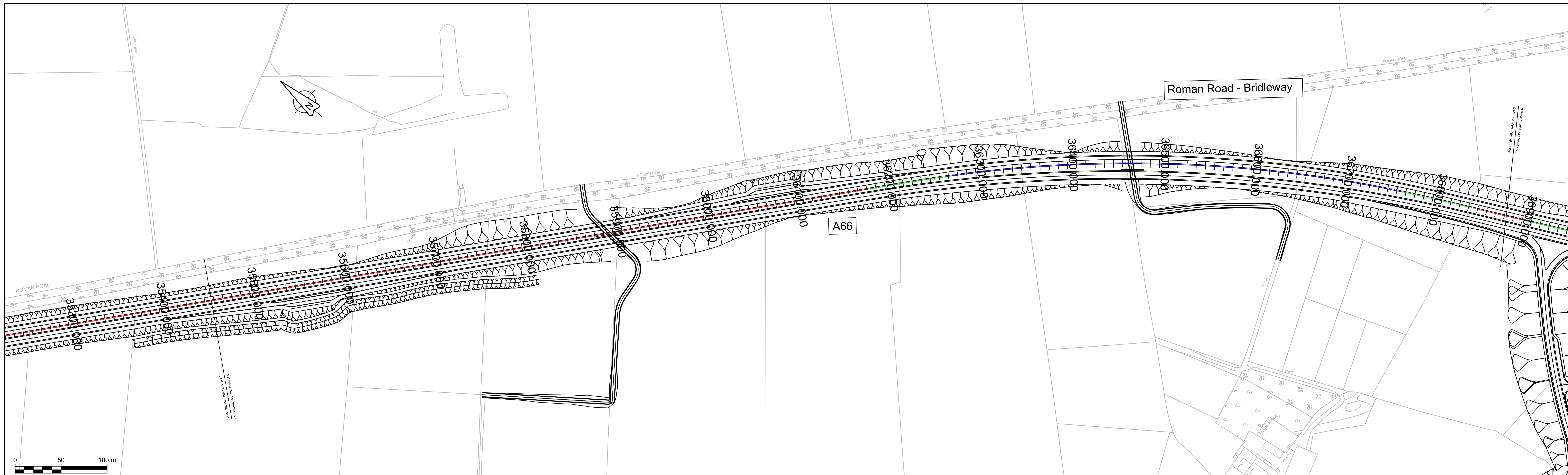
Project Name
A66 Northern Trans-Pennine

Drawing Title
Temple Sowerby to Appleby
Plan and Profile Orange Option
Sheet 4 of 6

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

Drawing Number
Project | Originator | Volume |
HE565627 - AMY - HML -
S0405 -DR-CH-000317
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01



Plan View

NOTES

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KEY

Plan

- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- CURVE ALIGNMENT
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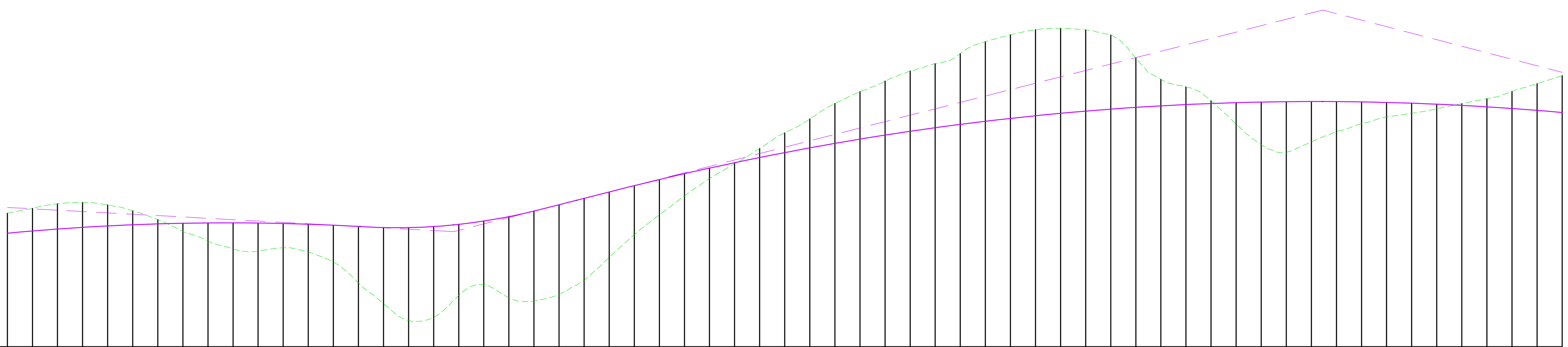
- #### ROAD NAMES
- 20000 | 21400 CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

Profile

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

SCHEME KEY PLAN



Datum: 145.000 mAOD

CHAINAGE	PROPOSED LEVELS	SURVEY LEVELS	LEVEL DIFFERENCE
35460.00	154.039	155.643	-1.604
35480.00	154.218	156.021	-1.804
35500.00	154.374	156.388	-2.014
35520.00	154.510	156.497	-1.987
35540.00	154.624	156.299	-1.676
35560.00	154.716	155.831	-1.115
35580.00	154.787	155.126	-0.339
35600.00	154.836	154.191	0.645
35620.00	154.864	153.412	1.452
35640.00	154.870	152.795	2.075
35660.00	154.855	152.610	2.244
35680.00	154.818	152.876	1.942
35700.00	154.760	152.531	2.229
35720.00	154.680	151.745	2.935
35740.00	154.579	150.070	4.509
35760.00	154.492	148.416	6.076
35780.00	154.489	147.070	7.419
35800.00	154.574	147.333	7.241
35820.00	154.749	149.068	5.681
35840.00	155.013	149.930	5.083
35860.00	155.365	148.877	6.488
35880.00	155.807	148.633	7.174
35900.00	156.314	149.148	7.166
35920.00	156.824	150.277	6.547
35940.00	157.335	152.107	5.228
35960.00	157.838	153.917	3.921
35980.00	158.323	155.511	2.812
36000.00	158.790	157.013	1.777
36020.00	159.238	158.404	0.834
36040.00	159.669	159.585	0.084
36060.00	160.081	160.810	-0.729
36080.00	160.475	162.049	-1.574
36100.00	160.851	163.153	-2.302
36120.00	161.209	164.384	-3.176
36140.00	161.548	165.337	-3.789
36160.00	161.870	166.179	-4.309
36180.00	162.173	166.990	-4.817
36200.00	162.458	167.574	-5.116
36220.00	162.725	168.381	-5.656
36240.00	162.973	169.328	-6.354
36260.00	163.204	169.876	-6.672
36280.00	163.416	170.284	-6.868
36300.00	163.610	170.391	-6.781
36320.00	163.786	170.276	-6.489
36340.00	163.944	169.857	-5.913
36360.00	164.083	168.025	-3.942
36380.00	164.205	166.319	-2.114
36400.00	164.308	165.719	-1.412
36420.00	164.393	164.607	-0.214
36440.00	164.460	162.752	1.708
36460.00	164.508	161.106	3.402
36480.00	164.539	160.502	4.037
36500.00	164.551	161.330	3.221
36520.00	164.545	162.147	2.398
36540.00	164.521	162.780	1.741
36560.00	164.479	163.328	1.151
36580.00	164.419	163.609	0.809
36600.00	164.340	163.966	0.374
36620.00	164.243	164.386	-0.143
36640.00	164.128	164.778	-0.650
36660.00	163.995	165.355	-1.360
36680.00	163.844	165.970	-2.126
36700.00	163.674	166.621	-2.947

HORIZONTAL: L =2060.120m; A: 349.86 L: 85.000m; R: 1440.000m L: 496.715m

VERTICAL: R =18600.000 L =844.933; G =-0.543% L =9.477; R =4500.000 L =139.246; G =2.552% L =56.636; R =22000.000 L =1133.683

SUPERELEVATION: L= -2.5%; R= 0.0%; L 3.5%; R 0.000%

0 50 100 m

Scale H 1:2500; V 1:250

Profile View

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P01	GCHI 07/09/21	GCHI 07/09/21	SHAL 07/09/21	KCRO 07/09/21	--- ---
Revision	Revision details				
	Created dd/mm/yy	Checked dd/mm/yy	Reviewed dd/mm/yy	Approved dd/mm/yy	Authorised dd/mm/yy

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

A66 NTP Integrated Project Team

Client
3 Piccadilly Place
Manchester
M1 3BN

highways england

Project Name
A66 Northern Trans-Pennine

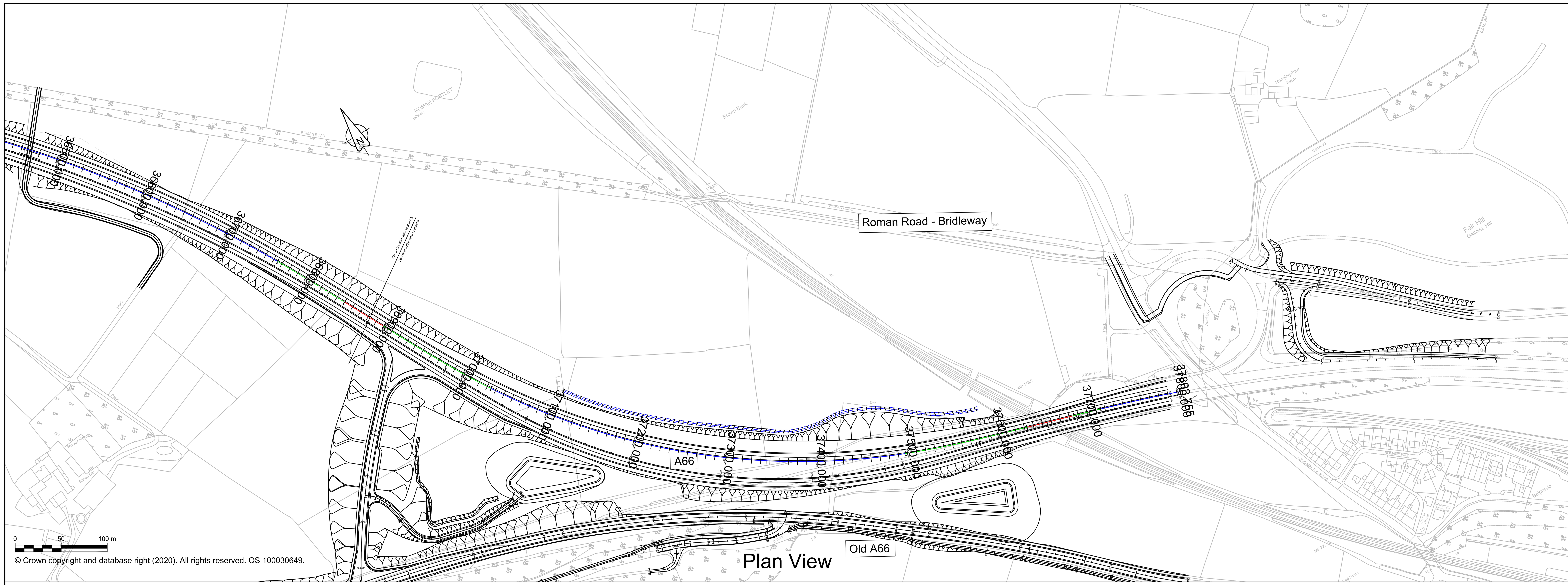
Drawing Title
Temple Sowerby to Appleby
Plan and Profile Orange Option
Sheet 5 of 6

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

Drawing Number

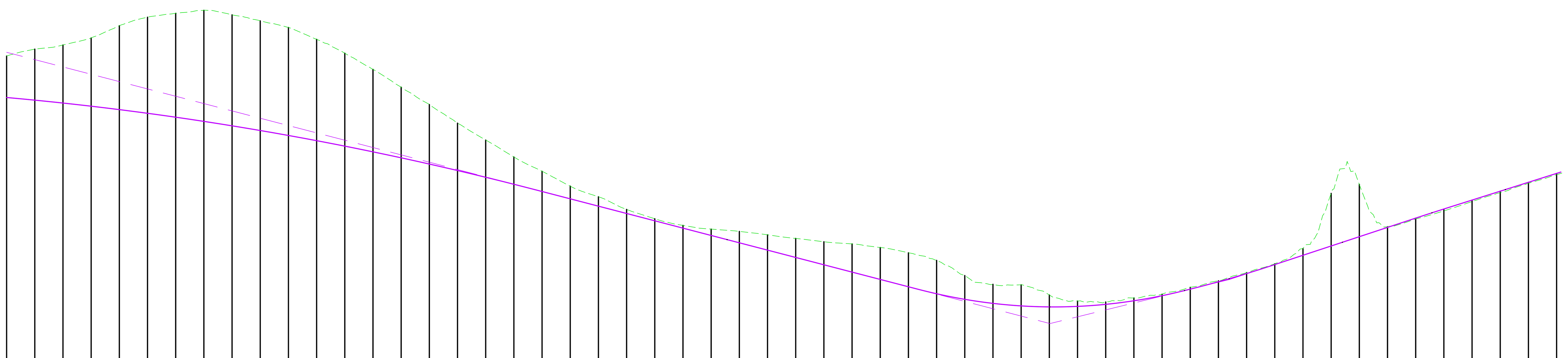
Project	Originator	Volume	Location	Type	Role	Number
HE565627	AMY	HML	S0405	DR	CH	000318

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01



Plan View

Datum: 145.000 mAOD



CHAINAGE	PROPOSED LEVELS	SURVEY LEVELS	LEVEL DIFFERENCE
36700.00	163.674	166.621	-2.947
36720.00	163.486	167.109	-3.622
36740.00	163.280	167.401	-4.121
36760.00	163.056	167.902	-4.845
36780.00	162.814	168.771	-5.957
36800.00	162.554	169.374	-6.821
36820.00	162.275	169.651	-7.376
36840.00	161.978	169.865	-7.887
36860.00	161.663	169.546	-7.883
36880.00	161.330	169.117	-7.787
36900.00	160.979	168.646	-7.667
36920.00	160.609	167.803	-7.194
36940.00	160.221	166.819	-6.597
36960.00	159.816	165.670	-5.855
36980.00	159.391	164.406	-5.014
37000.00	158.949	163.175	-4.225
37020.00	158.489	161.853	-3.364
37040.00	158.010	160.655	-2.645
37060.00	157.513	159.451	-1.938
37080.00	156.999	158.433	-1.434
37100.00	156.478	157.381	-0.903
37120.00	155.958	156.627	-0.669
37140.00	155.438	155.727	-0.289
37160.00	154.918	155.064	-0.147
37180.00	154.397	154.592	-0.194
37200.00	153.877	154.329	-0.451
37220.00	153.357	154.165	-0.808
37240.00	152.837	153.923	-1.087
37260.00	152.316	153.667	-1.350
37280.00	151.796	153.431	-1.635
37300.00	151.276	153.277	-2.001
37320.00	150.755	153.021	-2.265
37340.00	150.235	152.649	-2.414
37360.00	149.738	152.109	-2.371
37380.00	149.342	151.031	-1.689
37400.00	149.055	150.409	-1.354
37420.00	148.876	150.372	-1.496
37440.00	148.804	149.652	-0.848
37460.00	148.841	149.220	-0.379
37480.00	148.986	149.155	-0.169
37500.00	149.239	149.439	-0.200
37520.00	149.601	149.705	-0.105
37540.00	150.065	150.196	-0.131
37560.00	150.590	150.658	-0.068
37580.00	151.172	151.243	-0.071
37600.00	151.810	151.869	-0.059
37620.00	152.470	152.948	-0.478
37640.00	153.130	156.867	-3.737
37660.00	153.790	157.500	-3.710
37680.00	154.450	154.498	-0.049
37700.00	155.110	155.056	0.054
37720.00	155.757	155.620	0.137
37740.00	156.389	156.286	0.104
37760.00	157.021	156.914	0.108
37780.00	157.653	157.579	0.074
37800.00 / 37803.76	158.285	158.196	0.089

HORIZONTAL
R: 1440.000m L: 496.715m | A: 349.86 L: 85.000m | L =49.689m | A: 318.20 L: 135.000m | R: 750.000m L: 463.478m | A: 318.20 L: 135.000m | L =52.183m | A: 256.90 L: 30.000m | R: 2200.000m L: 88.540m

VERTICAL
R =22000.000 L =1133.683 | G =-2.601% L =271.107 | R =3700.000 L =187.056 | G =2.454% L =4.141 | R =7000.000 L =59.145 | G =3.299% L =101.593 | R =18200.000 L =25.453 | G =3.159% L =78.704

SUPERELEVATION
L 3.5% R 0.000% | L= -2.5% R= 0.0% | L= -2.5% R= 0.0% | L -7.0% R 0.000% | L -7.0% R 0.000% | L= -2.5% R= 0.0% | L= -2.5% R= 0.0% | L 2.5% R 0.000% | L 2.5% R 0.000%

0 50 100 m

Scale H 1:2500; V 1:250

Profile View

NOTES

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KEY

Plan

- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
- CURVE ALIGNMENT
- STRAIGHT ALIGNMENT
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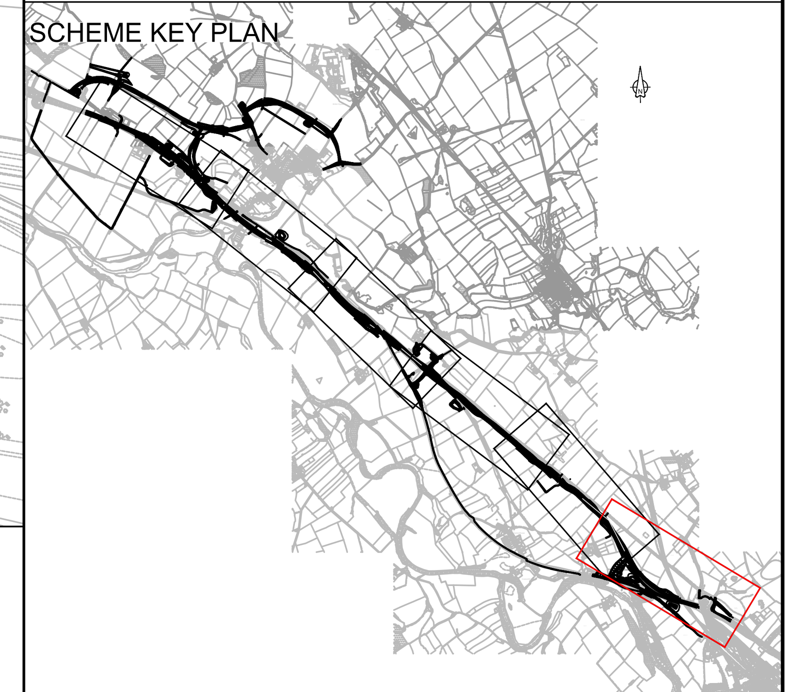
- #### ROAD NAMES
- 20000 | 21400 CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)

Profile

- PROPOSED VERTICAL DESIGN LEVEL
- EXISTING GROUND LEVEL

SCHEME KEY PLAN



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P01		GCHI 07/09/21	GCHI 07/09/21	SHAL 07/09/21	KCRO 07/09/21	---
Revision	Revision details	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

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

Client
3 Piccadilly Place
Manchester
M1 3BN

Project Name
A66 Northern Trans-Pennine

Drawing Title
Temple Sowerby to Appleby
Plan and Profile Orange Option
Sheet 6 of 6

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

Drawing Number
Project | Originator | Volume |
HE565627 - AMY - HML -
S0405 -DR-CH-000319
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01