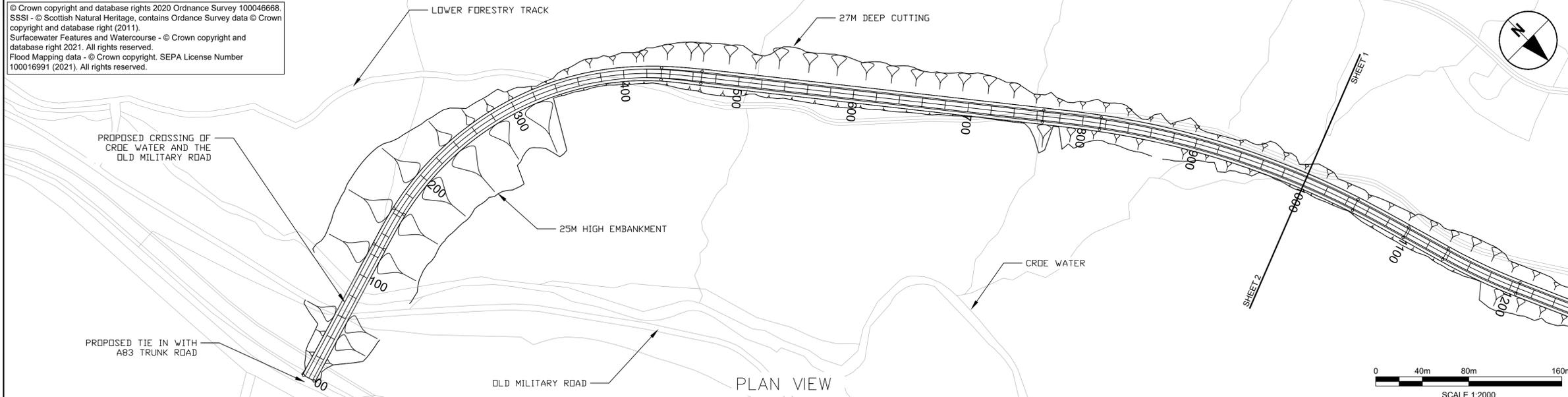


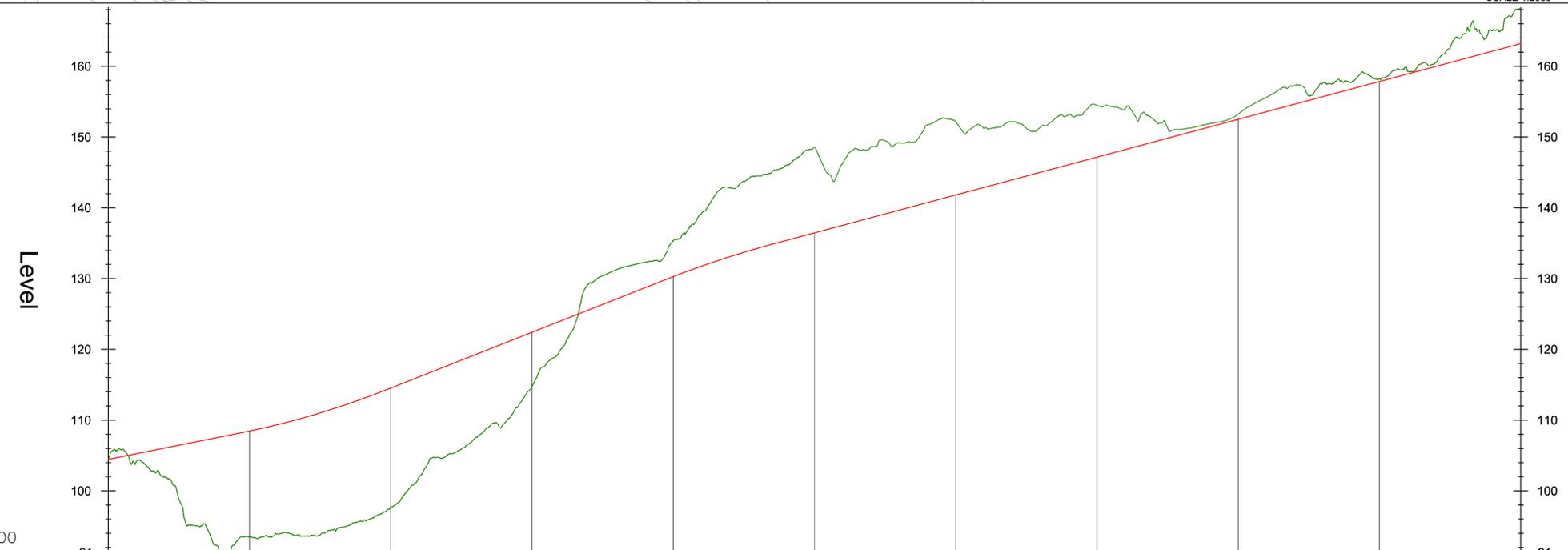
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 2. LONG SECTION SCALE HAS BEEN EXAGGERATED VERTICALLY. SEE LONG SECTION VIEW FOR HORIZONTAL AND VERTICAL SCALE.
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PLAN KEY
 Y Y Y Y Y Y Y Y EARTHWORKS

DRAFT



SCALE H: 1:2000 V: 1:500

CHAINAGE	00.000	100.000	200.000	300.000	400.000	500.000	600.000	700.000	800.000	900.000	1000.000
EXISTING LEVELS	104.460	93.480	97.735	114.734	135.323	148.493	152.149	154.486	153.246	158.296	168.313
PROPOSED LEVELS	104.460	108.463	114.532	122.411	130.286	136.458	141.809	147.161	152.512	157.864	163.215
LEVEL DIFFERENCE	0.000	14.983	16.797	7.677	-5.037	-12.035	-10.339	-7.326	-0.734	-0.432	-5.098
HORIZONTAL GEOMETRY	Straight L = 128.81		TR L = 35.00	Curve R = 255.00L = 268.74		TR L = 35.00	Straight L = 297.80		TR L = 50.00	Curve R = 720.00L = 232.76	
VERTICAL GEOMETRY	Straight Grad = 4.00% L = 96.16		Sag Curve K Value = 26.00 L = 100.87		Straight Grad = 7.88% L = 197.29		Hog Curve K Value = 30.00 L = 75.84		Straight Grad = 5.35% L = 1423.09		

LONG SECTION KEY
 ——— EXISTING GROUND
 ——— PROPOSED DESIGN

P01	10/03/22	FIRST ISSUE	EA	MS	RH	RH
Rev	Rev. Date	Purpose of revision	Orig	Check'd	Rev'd	Appr'd

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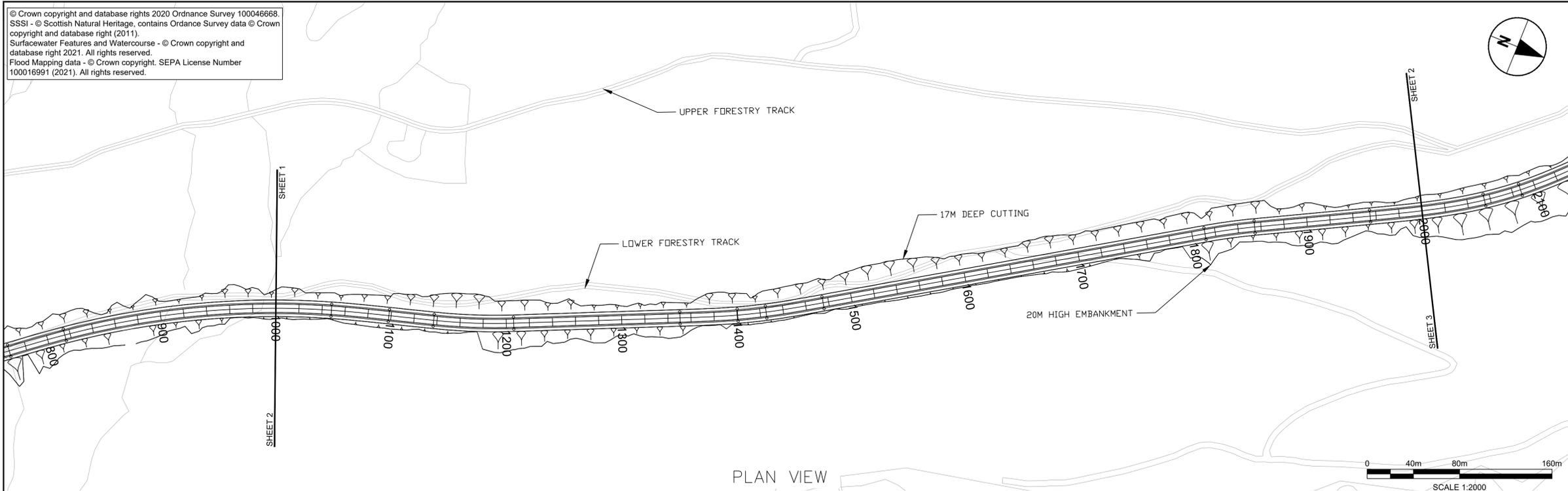
Drawing title
**A83 MEDIUM TERM SOLUTION
 INDICATIVE TWO-WAY OFFLINE OPTION
 PLAN & PROFILE
 SHEET 1 OF 4**

Drawing status	S2 - SUITABLE FOR INFORMATION	Suitability	S2
Scale	AS SHOWN	DO NOT SCALE	
Jacobs No.	A83OMR	Rev	P01
Client No.			

Drawing number
A83OMR-ACM-HGN-ZZ_ZZ-DR-CH-9101

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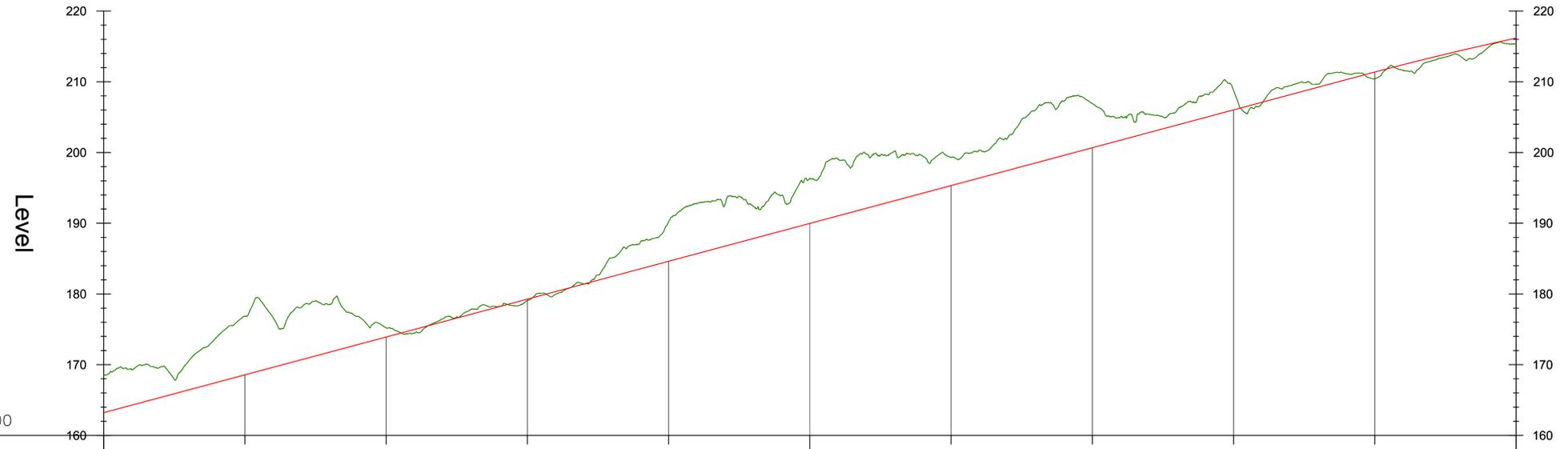
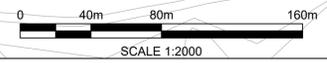
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PLAN KEY

▽▽▽▽▽ EARTHWORKS

DRAFT

PLAN VIEW



LONG SECTION KEY

— EXISTING GROUND
 — PROPOSED DESIGN

SCALE H: 1:2000 V: 1:500

CHAINAGE	1000.000	1100.000	1200.000	1300.000	1400.000	1500.000	1600.000	1700.000	1800.000	1900.000	2000.000	
EXISTING LEVELS	168.313	176.859	175.215	179.096	190.197	196.359	199.305	206.925	208.772	210.394	215.353	
PROPOSED LEVELS	163.215	168.567	173.918	179.270	184.621	189.973	195.324	200.676	206.027	211.377	216.161	
LEVEL DIFFERENCE	-5.098	-8.292	-1.297	0.174	-5.576	-6.386	-3.981	-6.249	-2.744	0.983	0.807	
HORIZONTAL GEOMETRY	Curve R = 720.00L = 232.76L = 50.00		Straight L = 38.86		Curve R = 510.00L = 69.35		Straight L = 144.02		TR L = 50.00		Curve R = 510.00L = 24.72	
							Straight L = 335.89		Curve R = 510.00L = 43.40		Straight L = 100.39	
											TR L = 100.00	
VERTICAL GEOMETRY	Straight Grad = 5.35% L = 1423.09										Hog Curve K Value = 100.00 L = 155.80	

LONG SECTION VIEW

P01	10/03/22	FIRST ISSUE	EA	MS	RH	RH
Rev	Rev. Date	Purpose of revision	Orig	Check'd	Rev'd	Appr'd

Jacobs. AECOM



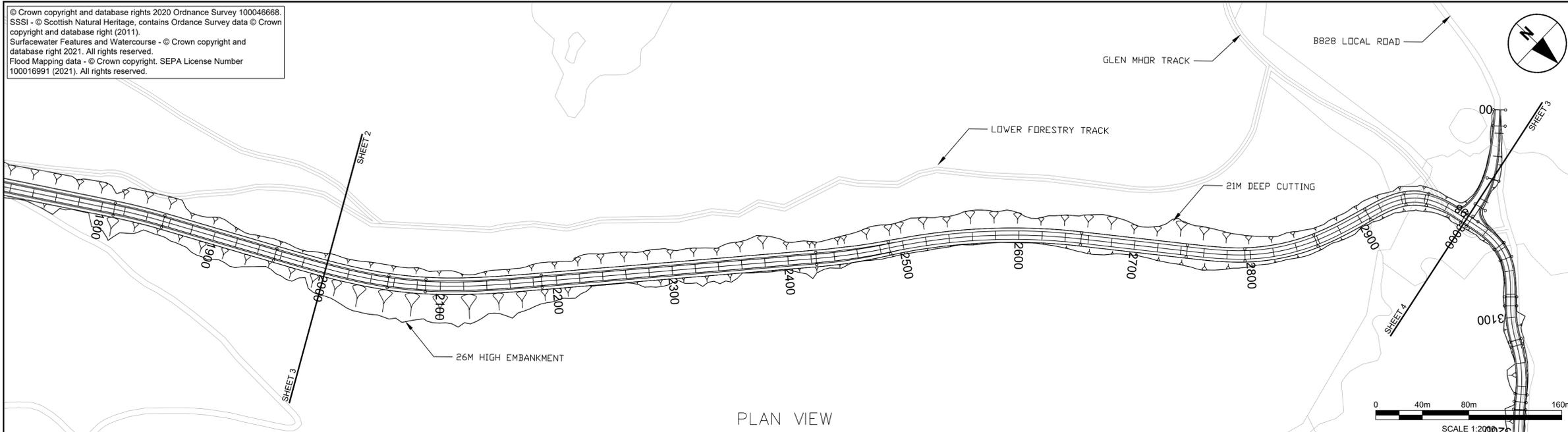
Drawing title
**A83 MEDIUM TERM SOLUTION
 INDICATIVE TWO-WAY OFFLINE OPTION
 PLAN & PROFILE
 SHEET 2 OF 4**

Drawing status	S2 - SUITABLE FOR INFORMATION	Suitability	S2
Scale	AS SHOWN	DO NOT SCALE	
Jacobs No.	A83OMR		
Client No.			P01

Drawing number
A83OMR-ACM-HGN-ZZ_ZZ-DR-CH-9102

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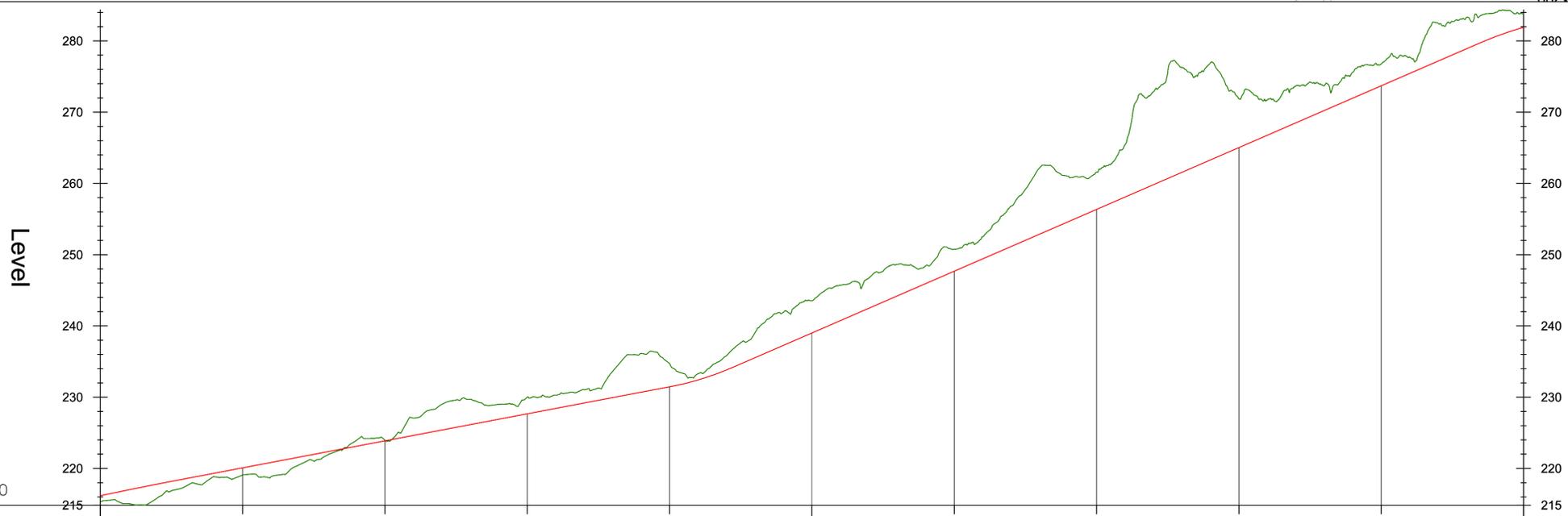


PLAN VIEW

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PLAN KEY
 Y Y Y Y Y Y Y Y EARTHWORKS

DRAFT



LONG SECTION KEY
 ———— EXISTING GROUND
 ———— PROPOSED DESIGN

SCALE H: 1:2000 V: 1:500

CHAINAGE	2000.000	2100.000	2200.000	2300.000	2400.000	2500.000	2600.000	2700.000	2800.000	2900.000	3000.000																	
EXISTING LEVELS	215.353	219.072	223.971	229.994	234.707	243.522	250.775	261.598	271.899	276.755	283.801																	
PROPOSED LEVELS	216.161	220.075	223.868	227.662	231.455	239.015	247.686	256.357	265.027	273.698	281.898																	
LEVEL DIFFERENCE	0.807	1.003	-0.102	-2.332	-3.252	-4.507	-3.090	-5.241	-6.871	-3.057	-1.903																	
HORIZONTAL GEOMETRY	TR L = 100.00		Curve R = 360.00L = 32.47		TR L = 100.00		Straight L = 236.94		Curve R = 520.00L = 63.72		Curve R = 520.00L = 165.67		Straight L = 91.66		TR L = 50.00		Curve R = 180.00L = 62.61		TR L = 50.00		TR L = 35.00		Curve R = 50.00L = 19.50		TR L = 35.00		Straight L = 5.96	
VERTICAL GEOMETRY	Hog Curve K Value = 100.00 L = 155.80		Straight Grad = 3.79% L = 351.79				Sag Curve K Value = 9.00 L = 43.90		Straight Grad = 8.67% L = 524.58				Hog Curve K Value = 10.00 L = 49.11															

LONG SECTION VIEW

P01	10/03/22	FIRST ISSUE	EA	MS	RH	RH
Rev	Rev. Date	Purpose of revision	Orig	Check'd	Rev'd	Apprv'd

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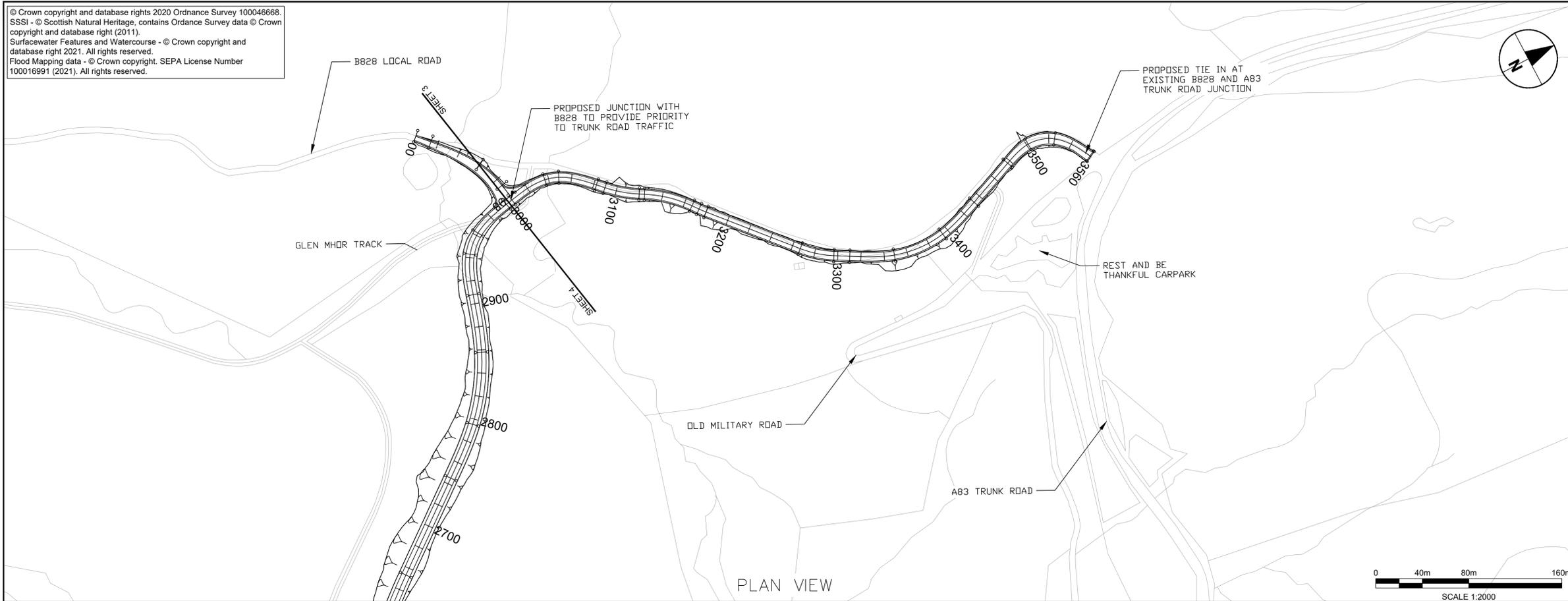
Drawing title
A83 MEDIUM TERM SOLUTION
INDICATIVE TWO-WAY OFFLINE OPTION
PLAN & PROFILE
SHEET 3 OF 4

Drawing status	S2 - SUITABLE FOR INFORMATION	Suitability	S2
Scale	AS SHOWN	DO NOT SCALE	
Jacobs No.	A83OMR		
Client No.			P01

Drawing number
A83OMR-ACM-HGN-ZZ_ZZ-DR-CH-9103

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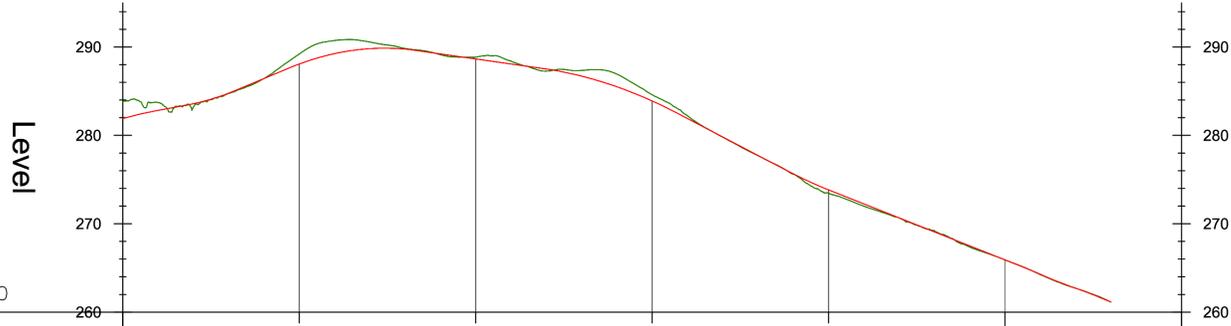
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PLAN KEY
 YYYYYY EARTHWORKS

DRAFT



SCALE H: 1:2000 V: 1:500

CHAINAGE	3000.000	3100.000	3200.000	3300.000	3400.000	3500.000	3600.000
EXISTING LEVELS	283.801	289.206	288.851	284.610	273.468	265.918	
PROPOSED LEVELS	281.898	288.070	288.652	283.892	273.829	265.904	
LEVEL DIFFERENCE	-1.903	-1.136	-0.199	-0.718	0.361	-0.014	
HORIZONTAL GEOMETRY	Straight L=5.96 TR L=33.30 TR L=33.30 Curve R=46.00L=12.25R=110.00L=29.96 R=110.00L=6.60 Straight L=86.87 R=90.00L=29.88 L=38.44 TR L=38.44 L=44.31 L=24.01 R=36.00L=23.65 Curve L=34.12						
VERTICAL GEOMETRY	Hog Curve K Value = 10.00 Sag Curve L = 49.11 K Value = 6.00 L = 27.58 Straight K Value = 6.50 L = 72.84 Grad = -2.85% L = 71.40 Hog Curve K Value = 10.00 L = 75.81 Grad = -10.43% L = 63.89 Straight K Value = 9.00 L = 22.55 Grad = -7.93% L = 110.95 Hog Curve K Value = 10.00 L = 71.11 Grad = -8.26% L = 4.42 Sag Curve K Value = 9.00 L = 18.83						

LONG SECTION KEY
 ——— EXISTING GROUND
 ——— PROPOSED DESIGN

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Rev	Rev. Date	Purpose of revision	Orig	Check'd	Rev'd	Appr'd

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Drawing title
A83 MEDIUM TERM SOLUTION
INDICATIVE TWO-WAY OFFLINE OPTION
PLAN & PROFILE
SHEET 4 OF 4

Drawing status	S2 - SUITABLE FOR INFORMATION	Suitability	S2
Scale	AS SHOWN	DO NOT SCALE	
Jacobs No.	A83OMR		
Client No.			P01

Drawing number
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