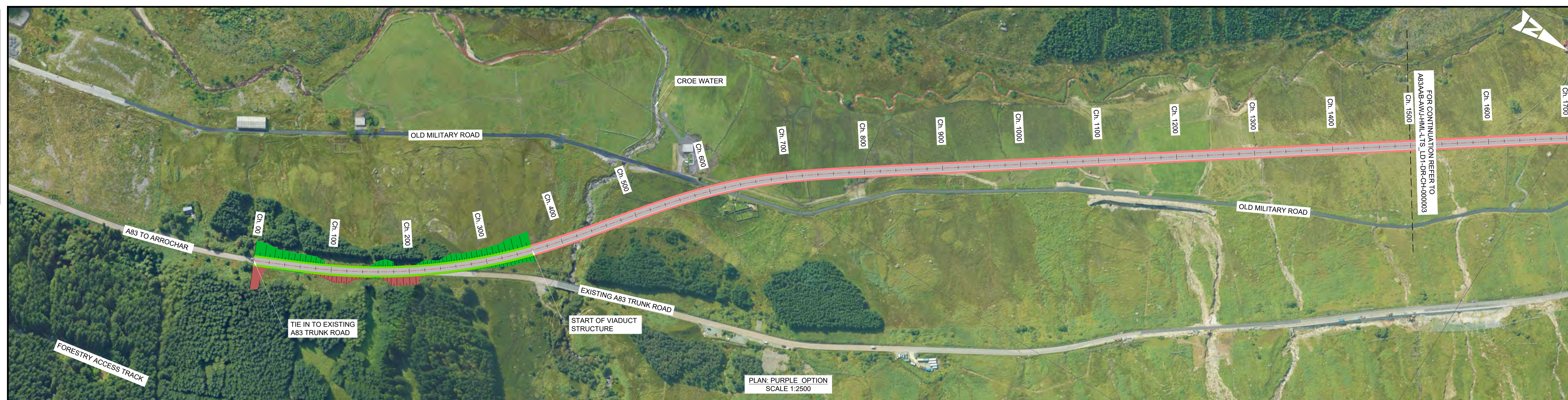
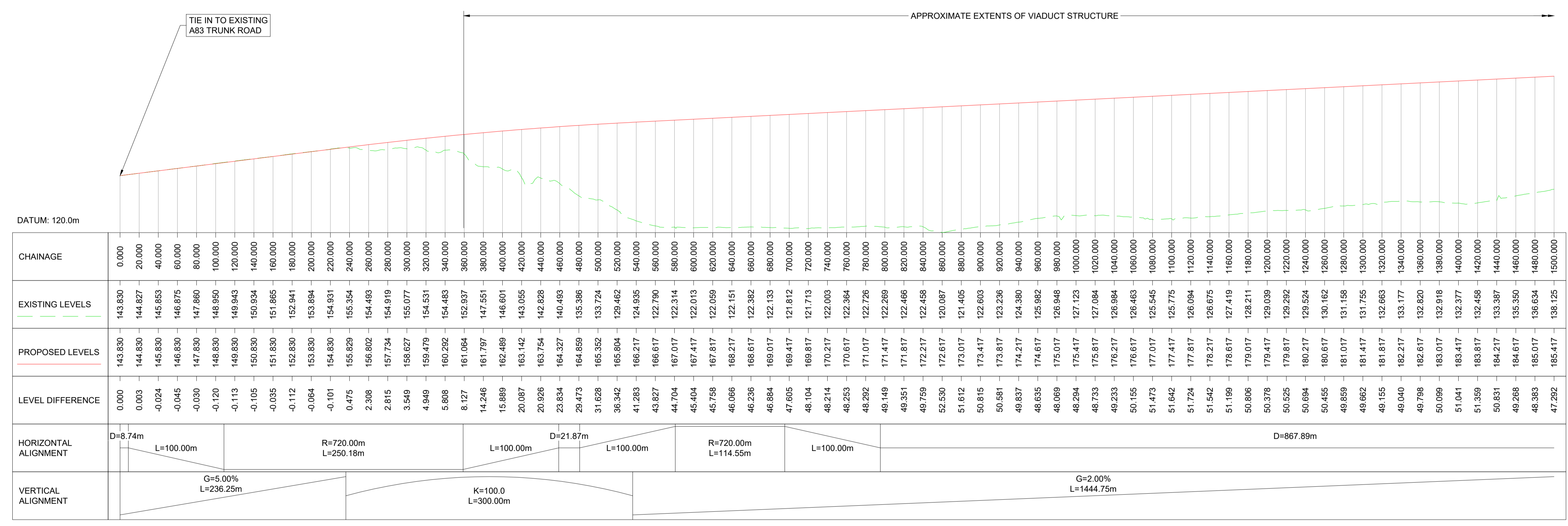


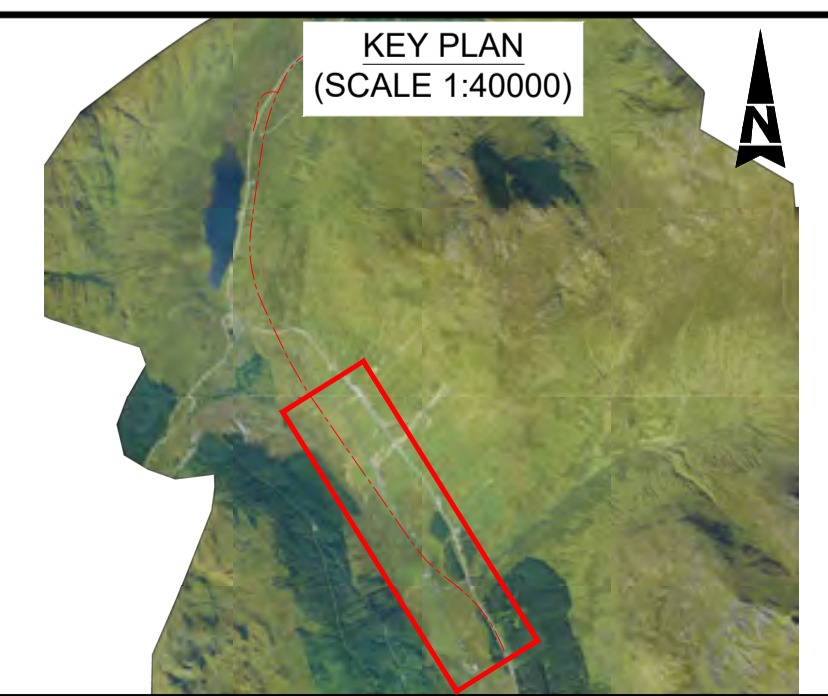
DO NOT SCALE



PLAN: PURPLE OPTION  
SCALE 1:2500



PROFILE: PURPLE OPTION  
SCALE: H 1:2500, V 1:1000



KEY PLAN  
(SCALE 1:40000)

**NOTES:**

- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.

**KEY - PLAN:**

- PROPOSED ALIGNMENT
- PROPOSED CARRIAGEWAY
- PROPOSED VERGE
- PROPOSED FOOTWAY
- PROPOSED KERBS
- PROPOSED EARTHWORK EMBANKMENT
- PROPOSED EARTHWORK CUTTING

**KEY - PROFILE:**

- PROPOSED DESIGN PROFILE
- EXISTING GROUND PROFILE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
First Issue	S3	P01	VR	BM	CS	IA	10/02/23
Stage 2 Issue	S4	P02		BM	CS	IA	22/05/23

Status: S4

Drawing Suitability: FOR STAGE APPROVAL

**ATKINS** **wsp**

Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**

COMHDAIL ALBA

Project Stage / Design File: DMRB Stage 2

State: Preliminary

Project Title: A83 AAB

Drawing Title: PURPLE OPTION PLAN AND PROFILE

Drawing Number: A83AAB - AWJ - HML - LTS\_LD1 - DR-CH-000002

Client: TRANSPORT SCOTLAND

Original Size: A1

Scale: AS SHOWN

Project Ref. No.: 5204594

Sheet: 1 of 3

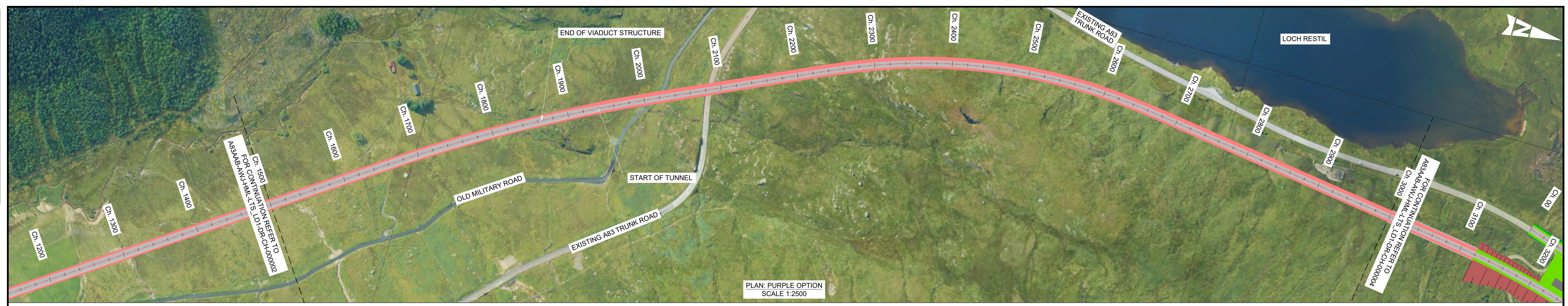
Rev: P02



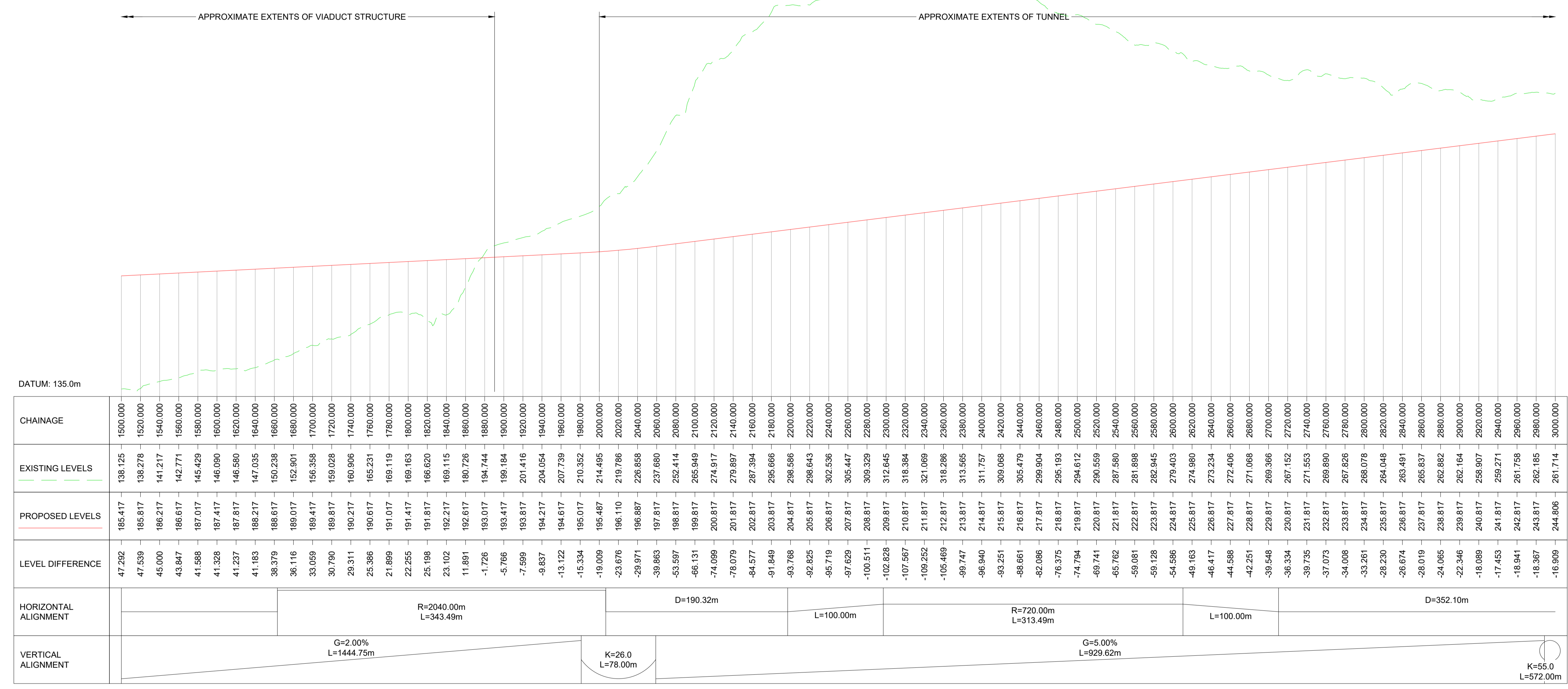
DO NOT SCALE

Millimetres

0 10



PLAN: PURPLE OPTION  
SCALE 1:2500



PROFILE: PURPLE OPTION  
SCALE: H 1:2500, V 1:1000

**NOTES:**

- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.

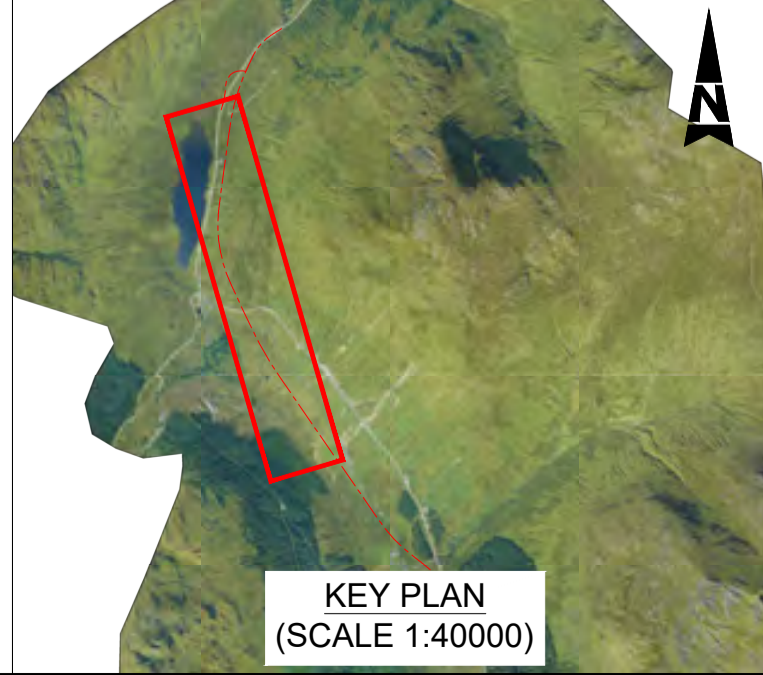
**KEY - PLAN:**

- PROPOSED ALIGNMENT
- PROPOSED CARRIAGEWAY
- PROPOSED VERGE
- PROPOSED FOOTWAY
- PROPOSED KERBS
- PROPOSED EARTHWORK EMBANKMENT
- PROPOSED EARTHWORK CUTTING

**KEY - PROFILE:**

- PROPOSED DESIGN PROFILE
- EXISTING GROUND PROFILE

KEY PLAN  
(SCALE 1:40000)



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
First Issue	S3	P01	VR	BM	CS	IA	10/02/23
Stage 2 Issue	S4	P02	BM	CS	IA		22/05/23

Status: S4 Drawing Suitability: FOR STAGE APPROVAL

**ATKINS** **wsp**  
Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**  
COMHDAIL ALBA

Project Stage / Design File: DMRB Stage 2 / Preliminary

Project Title: A83 AAB

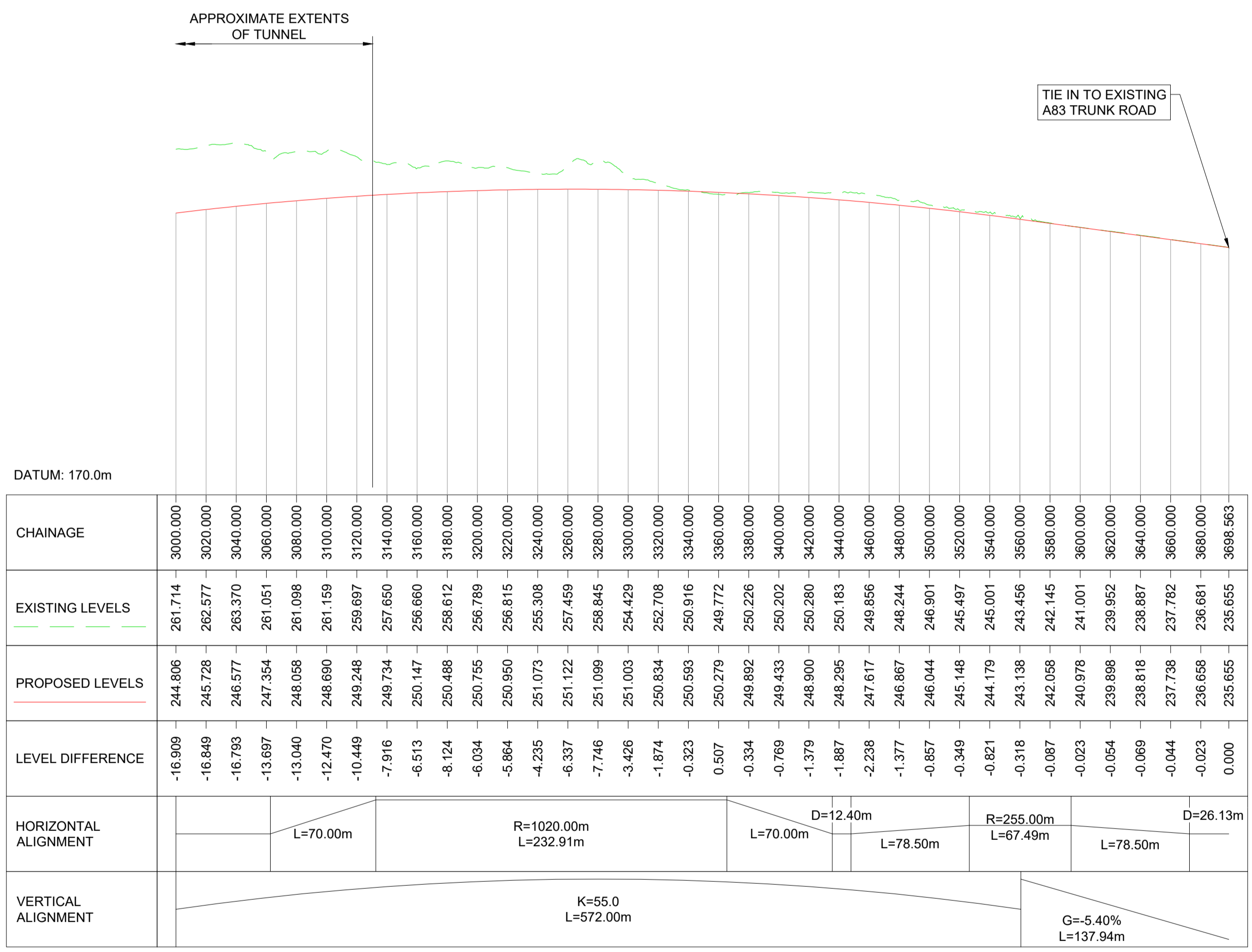
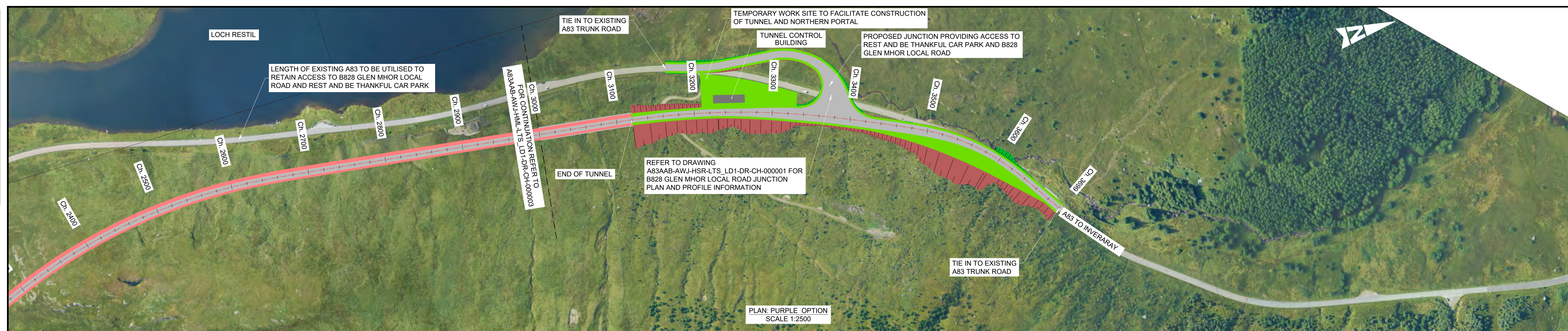
Drawing Title: PURPLE OPTION PLAN AND PROFILE

Drawing Number: A83AAB - AWJ - HML - LTS\_LD1 - DR-CH-000003

Originator: A1 Scale: AS SHOWN Project Ref. No.: 5204594 Sheet: 2 of 3 Rev: P02



DO NOT SCALE



PROFILE: PURPLE OPTION  
SCALE: H 1:2500, V 1:1000

**NOTES:**

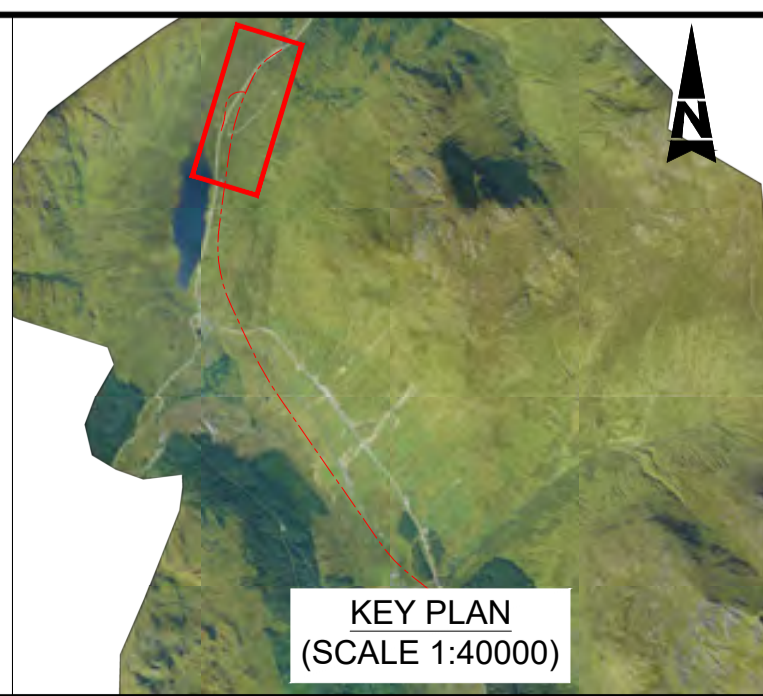
- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.

**KEY - PLAN:**

- PROPOSED ALIGNMENT
- PROPOSED CARRIAGEWAY
- PROPOSED VERGE
- PROPOSED FOOTWAY
- PROPOSED KERBS
- PROPOSED EARTHWORK EMBANKMENT
- PROPOSED EARTHWORK CUTTING

**KEY - PROFILE:**

- PROPOSED DESIGN PROFILE
- EXISTING GROUND PROFILE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
First Issue	S3	P01	VR	BM	CS	IA	10/02/23
Stage 2 Issue	S4	P02	BM	CS	IA		22/05/23

Status: S4  
Drawing Suitability: FOR STAGE APPROVAL

**ATKINS** **wsp**  
Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**  
COMHDHAIL ALBA

Project Stage / Design File: DMRB Stage 2	State: Preliminary
Project Title: A83 AAB	Drawing Title: PURPLE OPTION PLAN AND PROFILE
Drawing Number: A83AAB - AWJ - HML - LTS_LD1 - DR-CH-000004	Originator: Volume
Location: LTS_LD1 - DR-CH-000004	Type: Role: Number
Original Size: A1	Scale: AS SHOWN
Project Ref. No.: 6204594	Sheet: 3 of 3
Rev: P02	



---

## Pink Option

[A83AAB-AWJ-HML-LTS\\_LEA-DR-CH-000001\\_P02.pdf](#) – Location Plan

[A83AAB-AWJ-HML-LTS\\_LEA-DR-CH-000002\\_P02.pdf](#) – Plan and Profile – Sheet 1 of 3

[A83AAB-AWJ-HML-LTS\\_LEA-DR-CH-000003\\_P02.pdf](#) – Plan and Profile – Sheet 2 of 3

[A83AAB-AWJ-HML-LTS\\_LEA-DR-CH-000004\\_P02.pdf](#) – Plan and Profile – Sheet 3 of 3



---

This page is blank.



DO NOT SCALE

Millimetres  
0 10 100



**NOTES:**

- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE .
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.

**KEY - PLAN:**

- PROPOSED ALIGNMENT
- PROPOSED CARRIAGEWAY
- PROPOSED VERGE
- PROPOSED FOOTWAY
- PROPOSED KERBS

**KEY - PROFILE:**

- PROPOSED DESIGN PROFILE
- EXISTING GROUND PROFILE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
Description	In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommissioning / Demolition	NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
First Issue	S3	P01	VR	HP	CS	IA	10/02/23
Stage 2 Issue	S4	P02	BM	CS	RHG		22/05/23

Status: **S4** Drawing Suitability: **FOR STAGE APPROVAL**

**ATKINS** **wsp**  
Member of the SNC-Lavalin Group

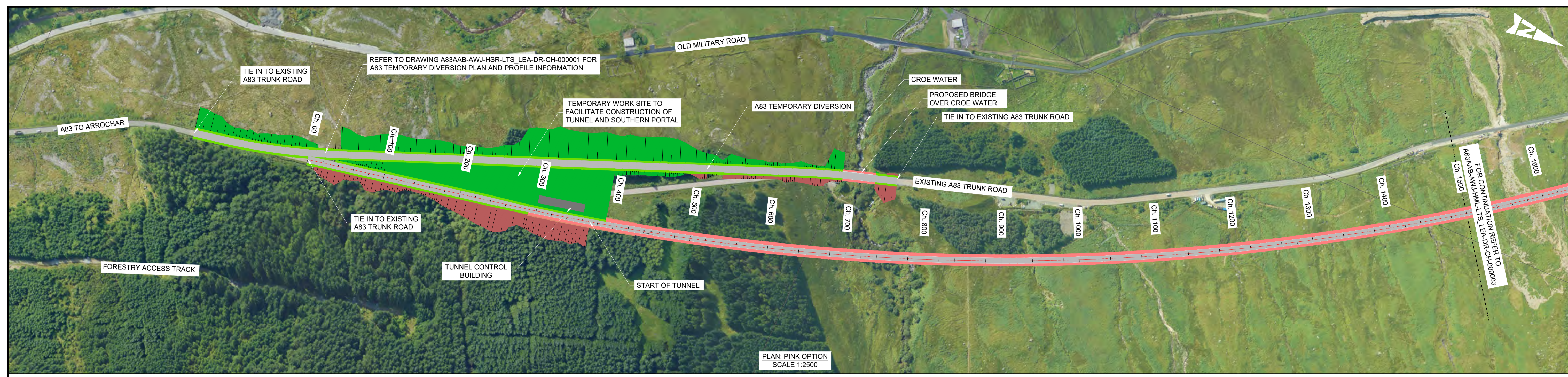
**TRANSPORT SCOTLAND**  
COMHDAIL ALBA

Project Stage / Design File: <b>DMRB Stage 2</b>	State: <b>Preliminary</b>
Project Title: <b>A83 AAB</b>	Drawing Title: <b>PINK OPTION LOCATION PLAN</b>
Drawing Number: <b>A83AAB</b>	Originator: <b>AWJ</b>
Project: <b>LTS_LEA</b>	HML - <b>DR-CH-000001</b>
Location: <b>A1</b>	Scale: <b>1:5000</b>
Project Ref. No.: <b>g204594</b>	Sheet: <b>1 of 1</b>
Rev: <b>P02</b>	

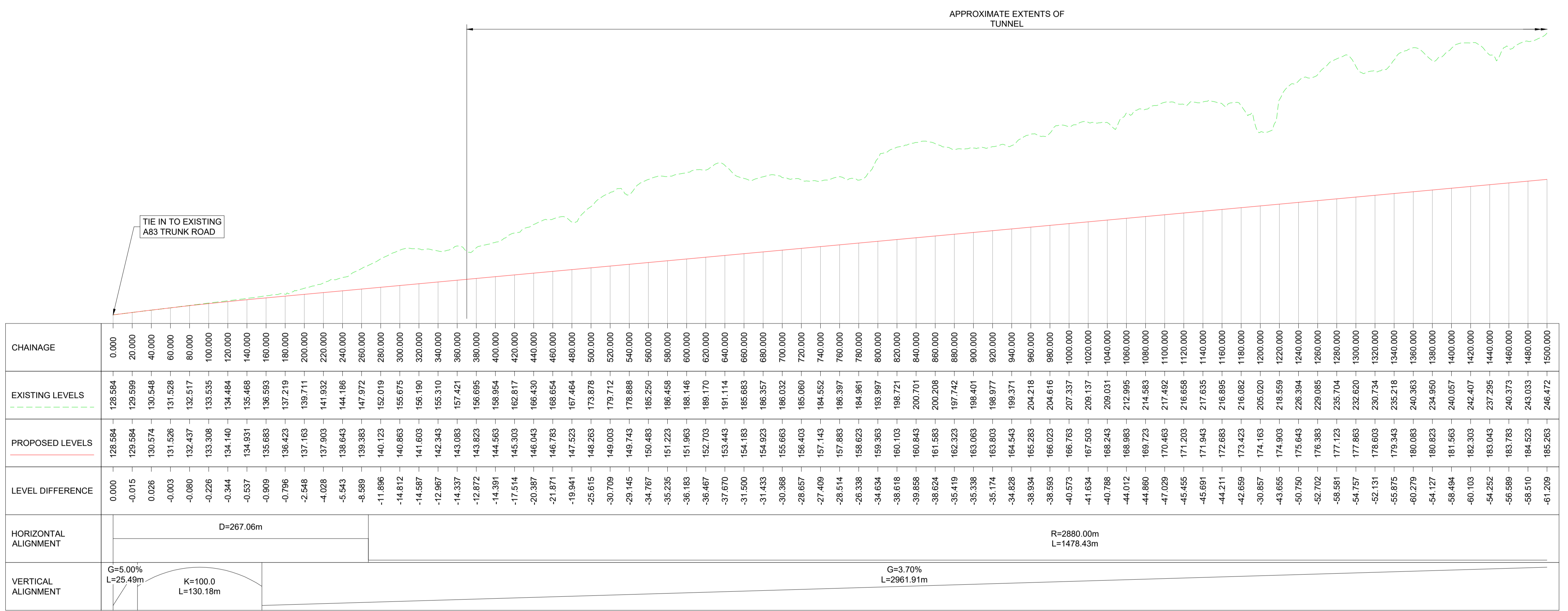


DO NOT SCALE

Millimetres  
0 10 100



PLAN: PINK OPTION  
SCALE 1:2500



PROFILE: PINK OPTION  
SCALE: H 1:2500, V 1:1000

**NOTES:**

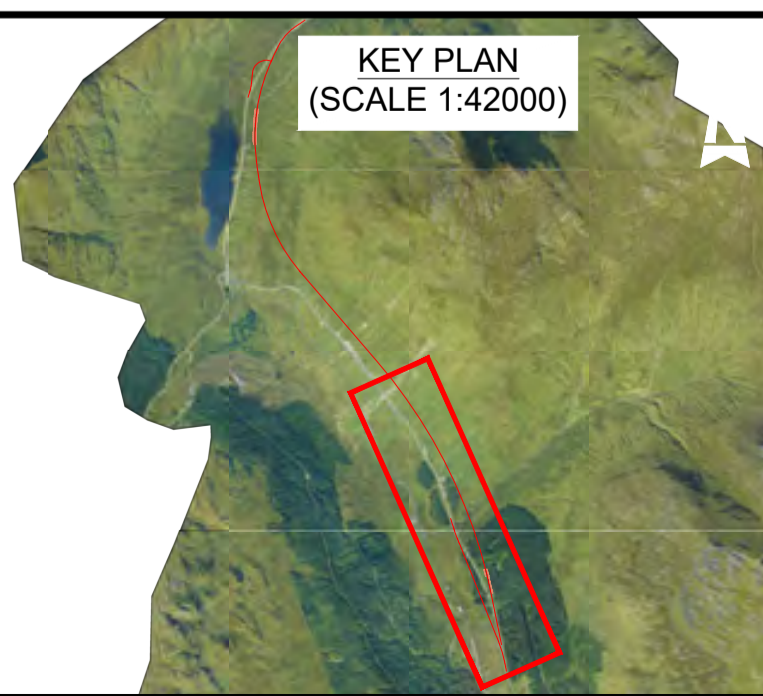
- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.

**KEY - PLAN:**

- PROPOSED ALIGNMENT
- PROPOSED CARRIAGEWAY
- PROPOSED VERGE
- PROPOSED FOOTWAY
- PROPOSED KERBS
- PROPOSED EARTHWORK EMBANKMENT
- PROPOSED EARTHWORK CUTTING

**KEY - PROFILE:**

- PROPOSED DESIGN PROFILE
- EXISTING GROUND PROFILE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 2 Issue	S4	P02	BM	CS	RHG		22/05/23

Status: S4

Drawing Suitability: FOR STAGE APPROVAL

Project Title: A83 AAB

Drawing Title: PINK OPTION PLAN AND PROFILE

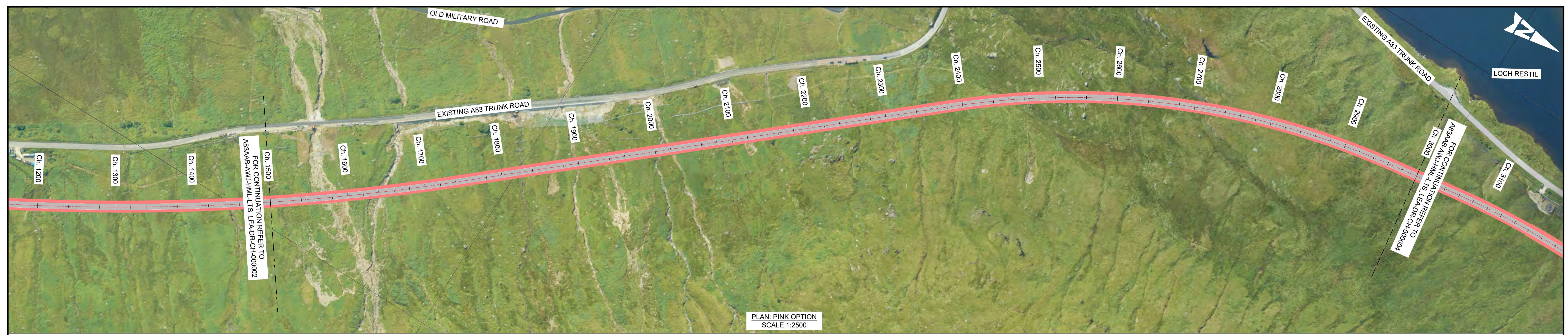
Client: TRANSPORT SCOTLAND

Project Stage / Design File: DMRB Stage 2	State: Preliminary
Project Title: A83 AAB	Drawing Title: PINK OPTION PLAN AND PROFILE
Drawing Number: A83AAB - AWJ - HML - LTS_LEA - DR-CH-000002	Originator: [Blank]
Location: [Blank]	Volume: [Blank]
Original Size: A1	Scale: AS SHOWN
Project Ref. No.: 5204594	Sheet: 1 of 3
Rev. P02	

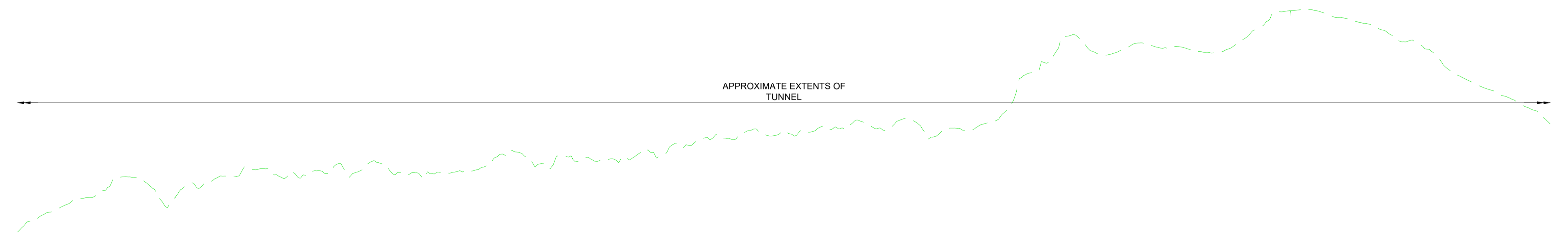


DO NOT SCALE

Millimetres  
0 10 100



PLAN: PINK OPTION  
SCALE 1:2500



APPROXIMATE EXTENTS OF TUNNEL

CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS	LEVEL DIFFERENCE	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
1500.000	246.472	185.263	-61.209	R=2880.00m L=1478.43m	G=3.70% L=2961.91m
1520.000	251.980	186.003	-65.977		
1540.000	255.649	186.743	-68.906	D=622.61m	L=35.00m
1560.000	259.352	187.483	-71.868		
1580.000	261.505	188.223	-73.282	R=1020.00m L=546.08m	L=35.00m
1600.000	267.946	188.963	-78.983		
1620.000	267.248	189.703	-77.545		
1640.000	259.068	190.443	-68.625		
1660.000	263.147	191.183	-71.963		
1680.000	264.307	191.923	-72.384		
1700.000	268.370	192.663	-75.707		
1720.000	270.771	193.403	-77.367		
1740.000	271.330	194.143	-77.187		
1760.000	267.490	194.883	-72.607		
1780.000	268.796	195.623	-73.172		
1800.000	269.596	196.363	-73.233		
1820.000	270.775	197.103	-73.672		
1840.000	272.521	197.843	-74.678		
1860.000	272.688	198.583	-74.105		
1880.000	268.768	199.323	-69.445		
1900.000	266.998	200.063	-68.935		
1920.000	269.670	200.803	-68.867		
1940.000	270.629	201.543	-68.086		
1960.000	273.097	202.283	-70.814		
1980.000	276.824	203.023	-73.801		
2000.000	275.326	203.763	-71.563		
2020.000	271.474	204.503	-66.971		
2040.000	275.916	205.243	-70.673		
2060.000	275.357	205.983	-69.374		
2080.000	275.120	206.723	-68.397		
2100.000	274.959	207.463	-67.496		
2120.000	277.627	208.203	-68.424		
2140.000	280.367	208.943	-71.424		
2160.000	280.546	209.683	-70.863		
2180.000	283.162	210.423	-72.738		
2200.000	282.722	211.163	-71.558		
2220.000	286.756	211.903	-74.852		
2240.000	284.179	212.643	-71.536		
2260.000	284.162	213.383	-70.779		
2280.000	286.080	214.123	-71.936		
2300.000	287.559	214.863	-72.696		
2320.000	290.187	215.603	-74.584		
2340.000	286.860	216.343	-70.516		
2360.000	289.613	217.083	-72.530		
2380.000	289.292	217.823	-71.469		
2400.000	284.276	218.563	-65.713		
2420.000	287.036	219.303	-67.733		
2440.000	287.829	220.043	-67.786		
2460.000	290.612	220.783	-68.829		
2480.000	305.733	221.523	-84.210		
2500.000	310.192	222.263	-87.929		
2520.000	320.355	223.003	-97.352		
2540.000	321.919	223.743	-98.176		
2560.000	316.078	224.483	-91.594		
2580.000	317.680	225.223	-92.457		
2600.000	320.541	225.963	-94.577		
2620.000	318.439	226.703	-91.736		
2640.000	318.847	227.443	-91.404		
2660.000	316.958	228.183	-88.775		
2680.000	317.225	228.923	-88.301		
2700.000	322.006	229.663	-92.342		
2720.000	327.753	230.403	-97.330		
2740.000	332.910	231.143	-101.767		
2760.000	333.571	231.883	-101.687		
2780.000	332.059	232.623	-99.436		
2800.000	330.123	233.363	-96.760		
2820.000	328.129	234.103	-94.025		
2840.000	324.876	234.843	-90.033		
2860.000	321.101	235.583	-85.518		
2880.000	316.092	236.323	-81.769		
2900.000	310.312	237.063	-73.248		
2920.000	305.836	237.803	-68.033		
2940.000	302.343	238.543	-63.800		
2960.000	299.029	239.283	-59.745		
2980.000	294.881	240.023	-54.858		
3000.000	288.802	240.763	-48.039		

PROFILE: PINK OPTION  
SCALE: H 1:2500, V 1:1000

**NOTES:**

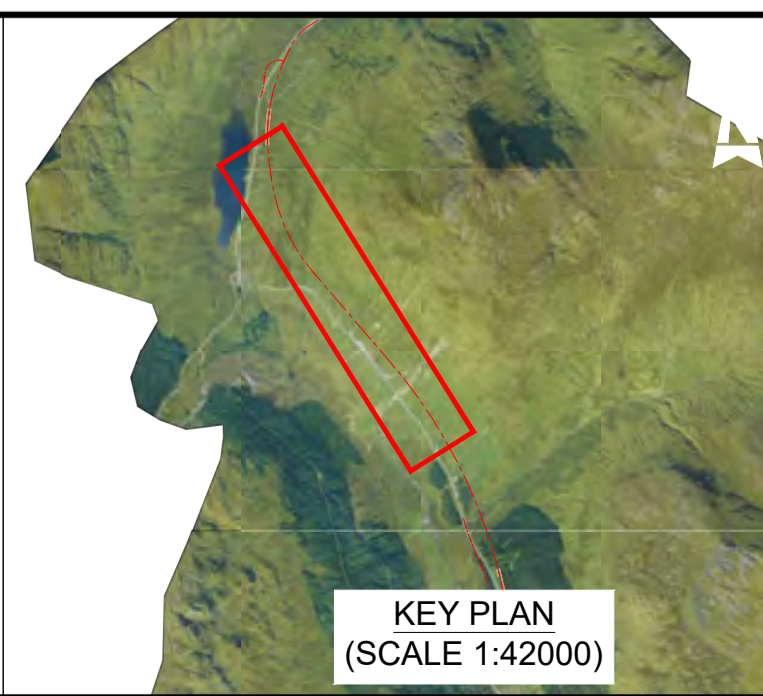
- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.

**KEY - PLAN:**

- PROPOSED ALIGNMENT
- PROPOSED CARRIAGEWAY
- PROPOSED VERGE
- PROPOSED FOOTWAY
- PROPOSED KERBS
- PROPOSED EARTHWORK EMBANKMENT
- PROPOSED EARTHWORK CUTTING

**KEY - PROFILE:**

- PROPOSED DESIGN PROFILE
- EXISTING GROUND PROFILE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
First Issue	S3	P01	VR	HP	CS	IA	10/02/23
Stage 2 Issue	S4	P02	BM	CS	RHG		22/05/23

Status: S4 Drawing Suitability: FOR STAGE APPROVAL

**ATKINS** **wsp**  
Member of the SNC-Lavalin Group

Client: TRANSPORT SCOTLAND  
COMHDHAIL ALBA

Project Stage / Design File: DMRB Stage 2 State: Preliminary

Project Title: A83 AAB

Drawing Title: PINK OPTION PLAN AND PROFILE

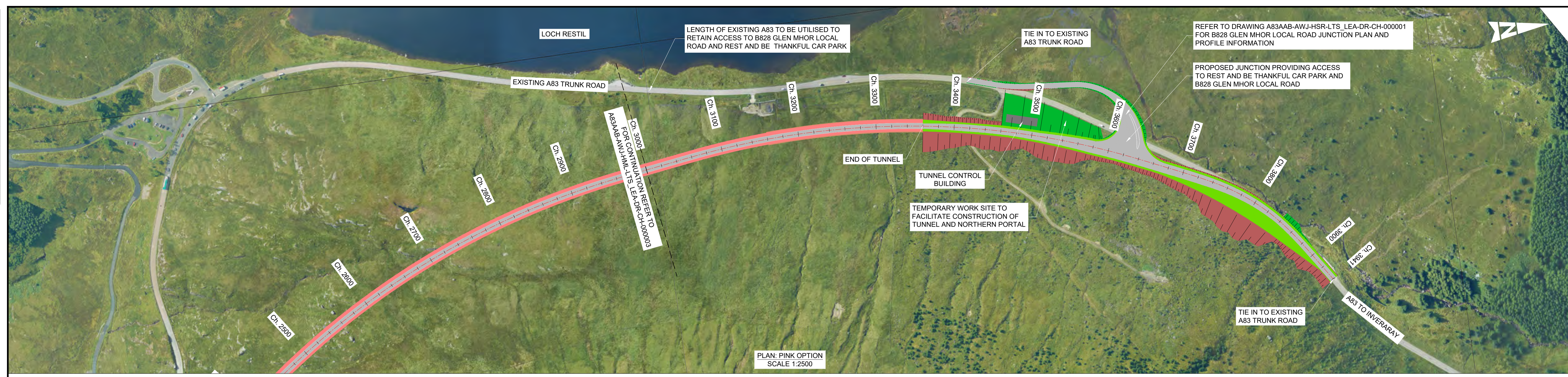
Drawing Number: A83AAB - AWJ - HML - LTS\_LEA - DR-CH-000003

Original Size: A1 Scale: AS SHOWN Project Ref. No.: 6204594 Sheet: 2 of 3 Rev: P02

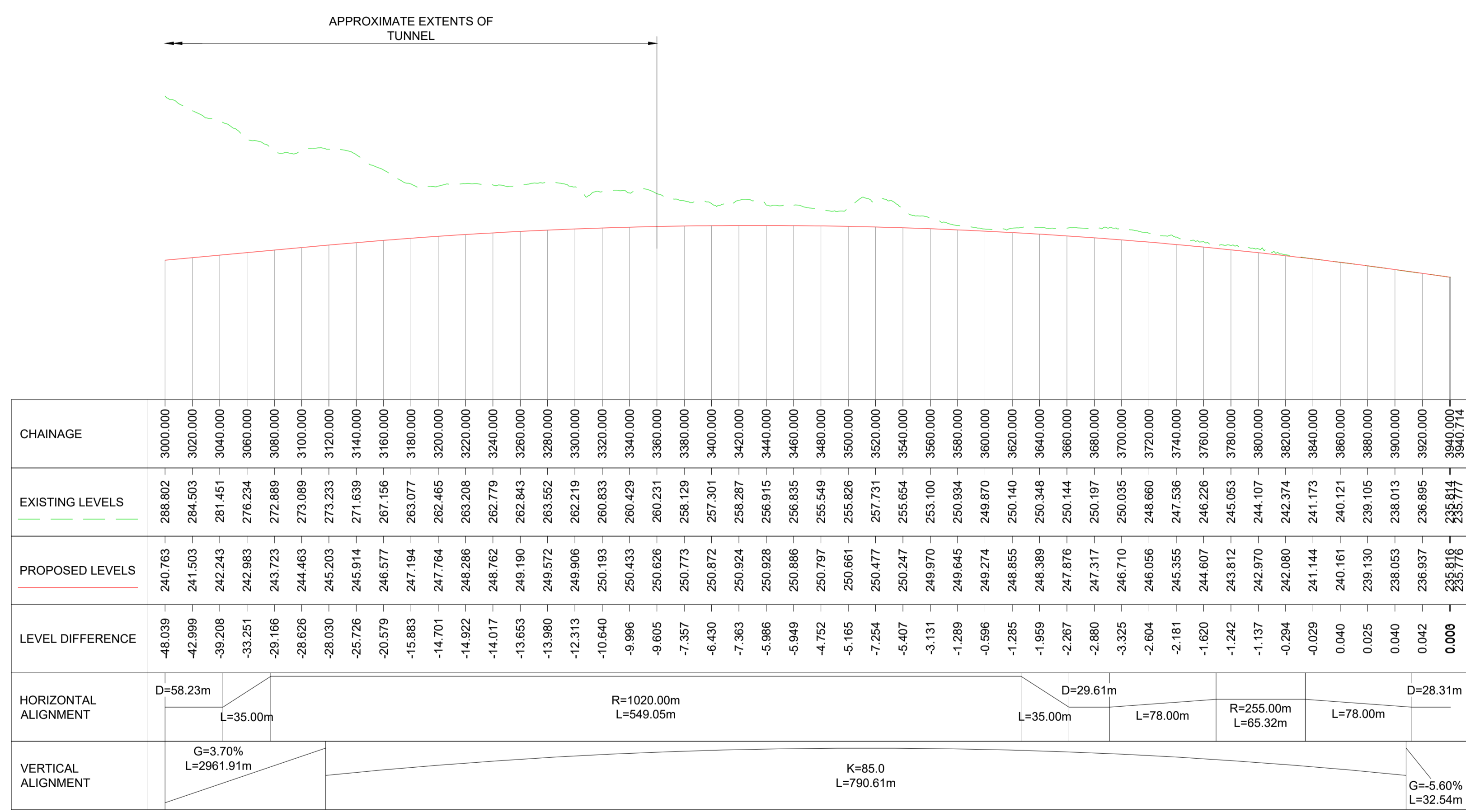


DO NOT SCALE

Millimetres  
0 10 100



PLAN: PINK OPTION  
SCALE 1:2500



PROFILE: PINK OPTION  
SCALE: H 1:2500, V 1:1000

**NOTES:**

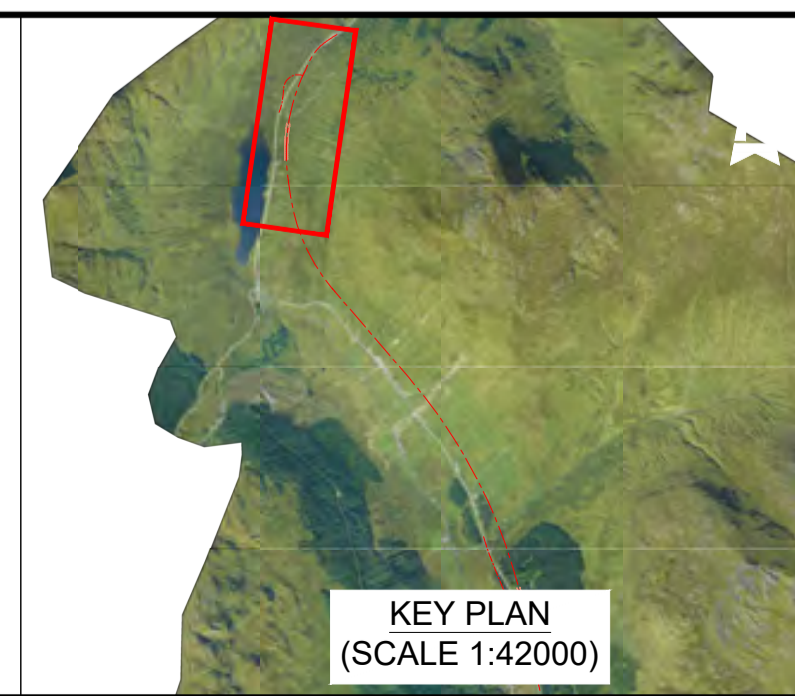
- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.

**KEY - PLAN:**

- PROPOSED ALIGNMENT
- PROPOSED CARRIAGEWAY
- PROPOSED VERGE
- PROPOSED FOOTWAY
- PROPOSED KERBS
- PROPOSED EARTHWORK EMBANKMENT
- PROPOSED EARTHWORK CUTTING

**KEY - PROFILE:**

- PROPOSED DESIGN PROFILE
- EXISTING GROUND PROFILE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
First Issue	S3	PO1	VR	HP	CS	IA	10/02/23
Stage 2 Issue	S4	PO2	BM	CS	RHG		22/05/23

**ATKINS** **wsp**  
Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**  
COMHDAIL ALBA

Project Stage / Design File	DMRB Stage 2	Status	S4	Drawing Suitability	FOR STAGE APPROVAL	Project Title	A83 AAB
Drawing Title							PINK OPTION PLAN AND PROFILE
Drawing Number	A83AAB - AWJ - HML - LTS_LEA - DR-CH-000004	Originator		Volume		Client	
Location		Type		Role		Number	
Original Size	A1	Scale	AS SHOWN	Project Ref. No.	6204594	Sheet	3 of 3
						Rev.	P02



---

## 4. Junction and Side Road Plan and Profiles

### Yellow Option

[A83AAB-AWJ-HSR-LTS\\_LB3-DR-CH-000001\\_P01.pdf](#) – Junction Plan and Profile – Sheet  
1 of 1

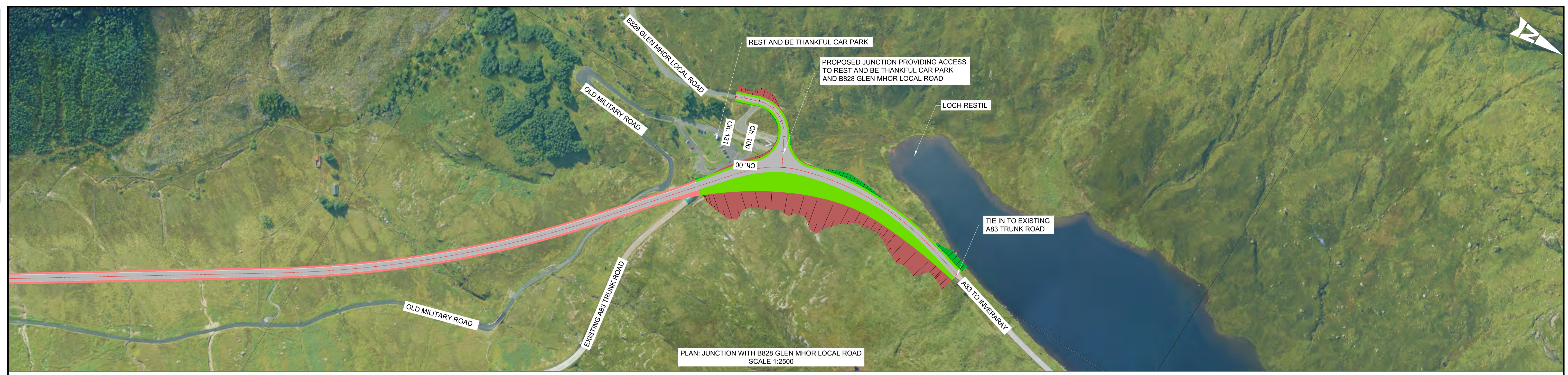


---

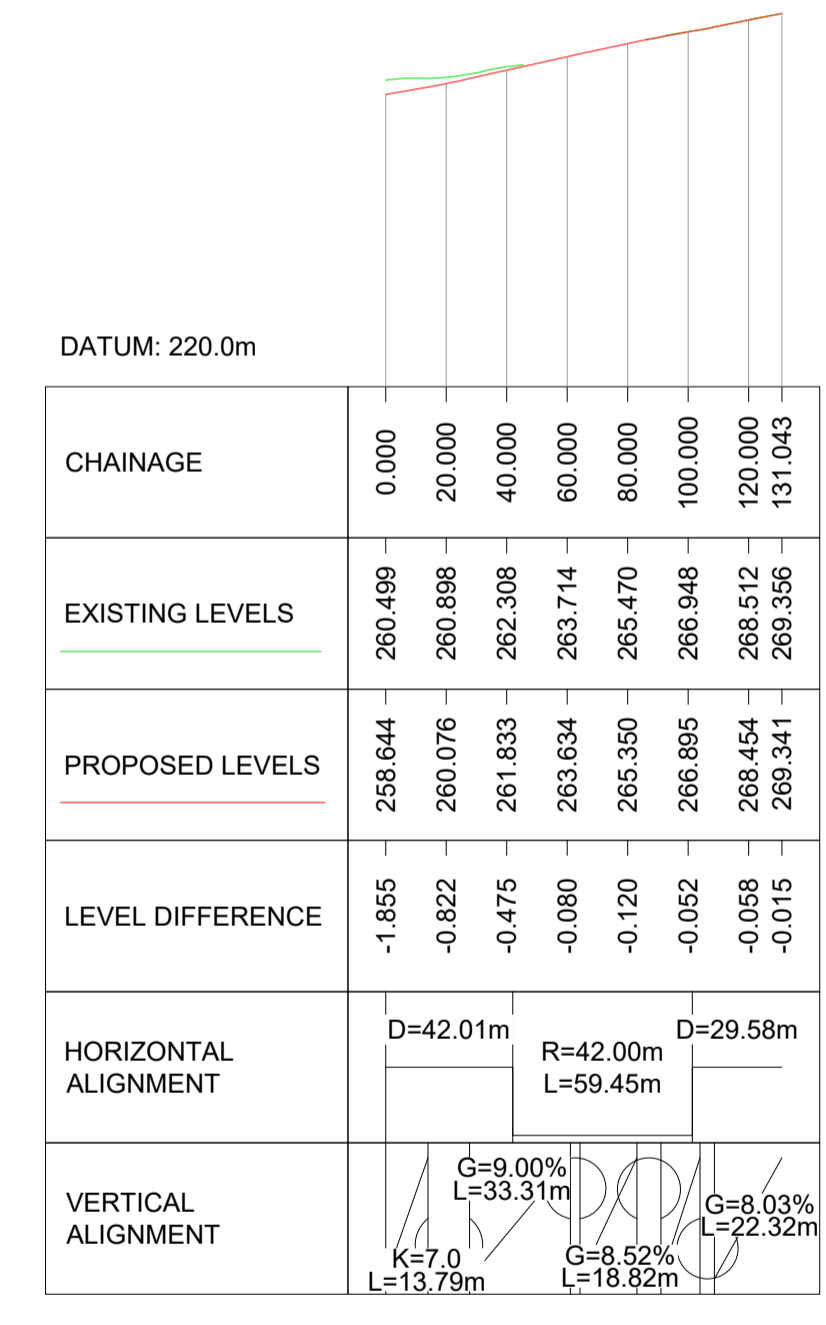
This page is blank.



DO NOT SCALE



PLAN: JUNCTION WITH B828 GLEN MHOR LOCAL ROAD  
SCALE 1:2500



PROFILE: JUNCTION WITH B828 GLEN MHOR LOCAL ROAD  
SCALE: H 1:2500, V 1:1000

**NOTES:**

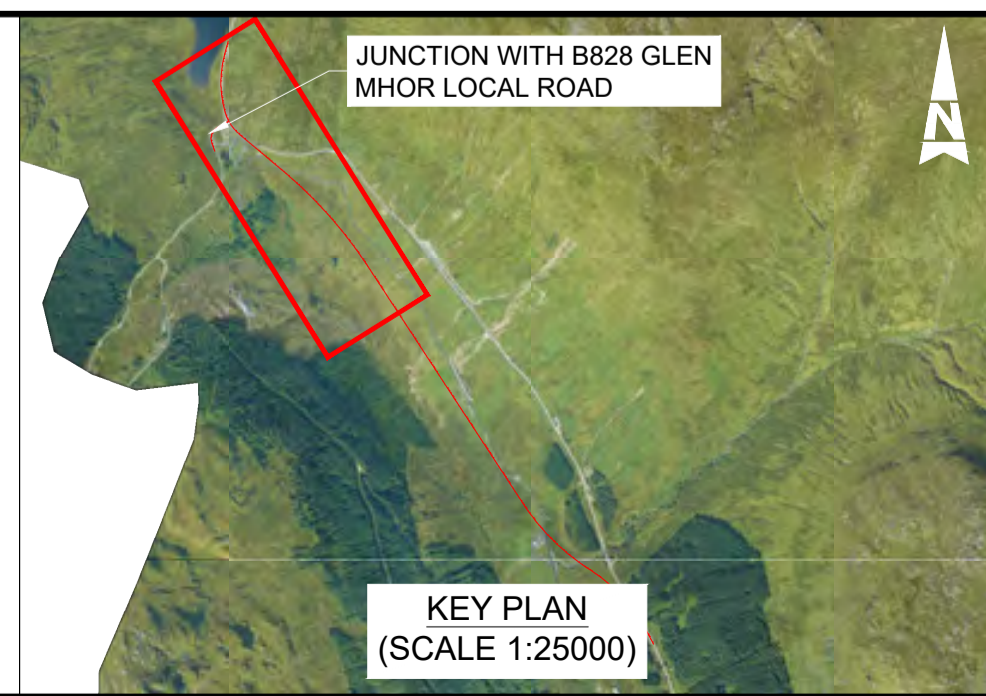
- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.

**KEY - PLAN:**

- PROPOSED ALIGNMENT
- PROPOSED CARRIAGEWAY
- PROPOSED VERGE
- PROPOSED FOOTWAY
- PROPOSED KERBS
- PROPOSED EARTHWORK EMBANKMENT
- PROPOSED EARTHWORK CUTTING

**KEY - PROFILE:**

- PROPOSED DESIGN PROFILE
- EXISTING GROUND PROFILE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 2 Issue	S4	P01	ME	BM	CS	IA	22/05/23

Status	S4	FOR STAGE APPROVAL
Client	 Member of the SNC-Lavalin Group	
Client	 COMHHDHAIL ALBA	

Project Stage / Design File	DMRB Stage 2	State	Preliminary
Project Title	A83 AAB		
Drawing Title	YELLOW OPTION JUNCTION PLAN AND PROFILE		
Drawing Number	A83AAB	Originator	AWJ
Project	LTS_LB3	Volume	HSR - DR-CH-000001
Location		Type	Number
Original Size	A1	Scale	AS SHOWN
Project Ref. No.	6204594	Sheet	1 of 1
Rev.	P01		



---

This page is blank.



---

## Brown Option

[A83AAB-AWJ-HSR-LTS LC3-DR-CH-000001 P01.pdf](#) – Junction Plan and Profile – Sheet

1 of 1

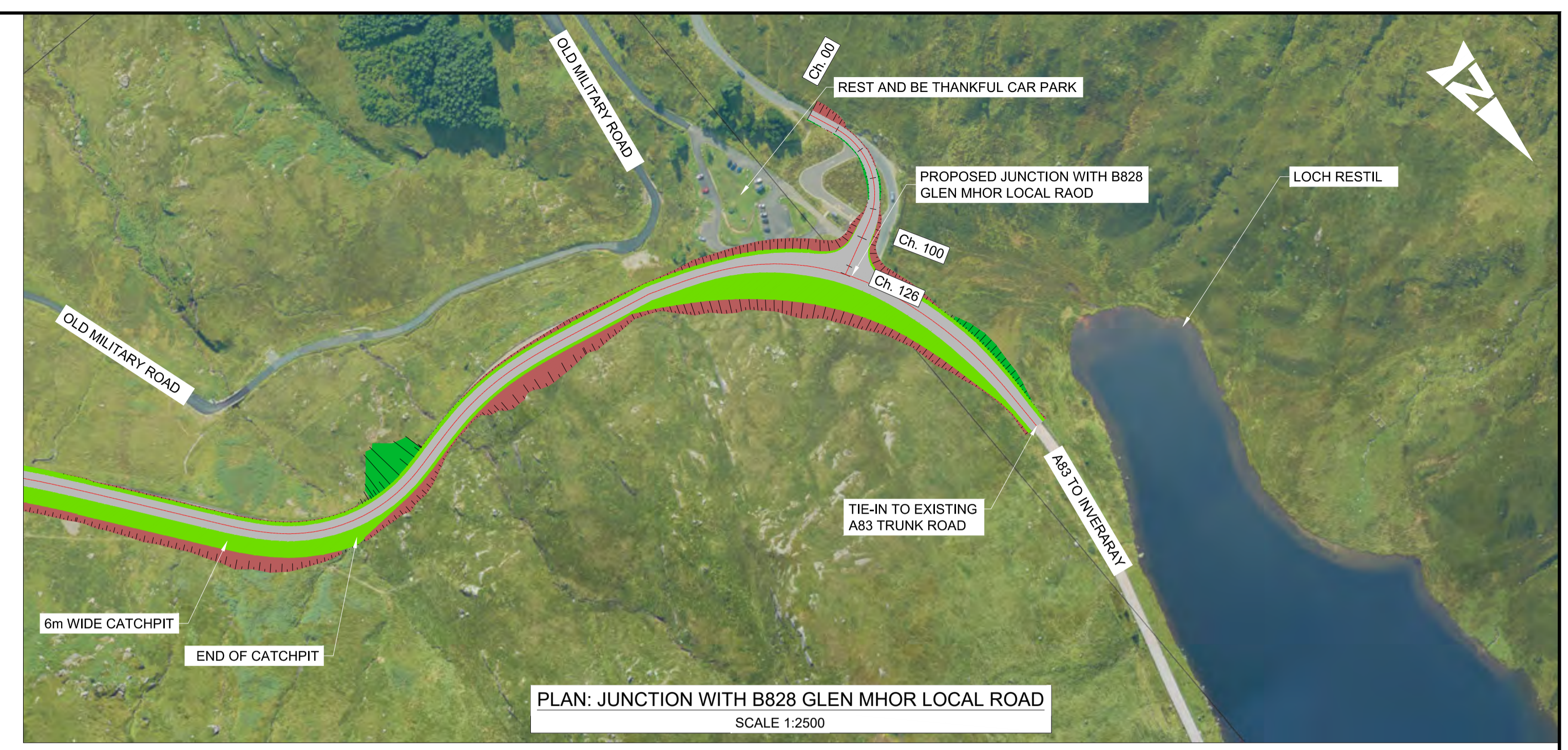
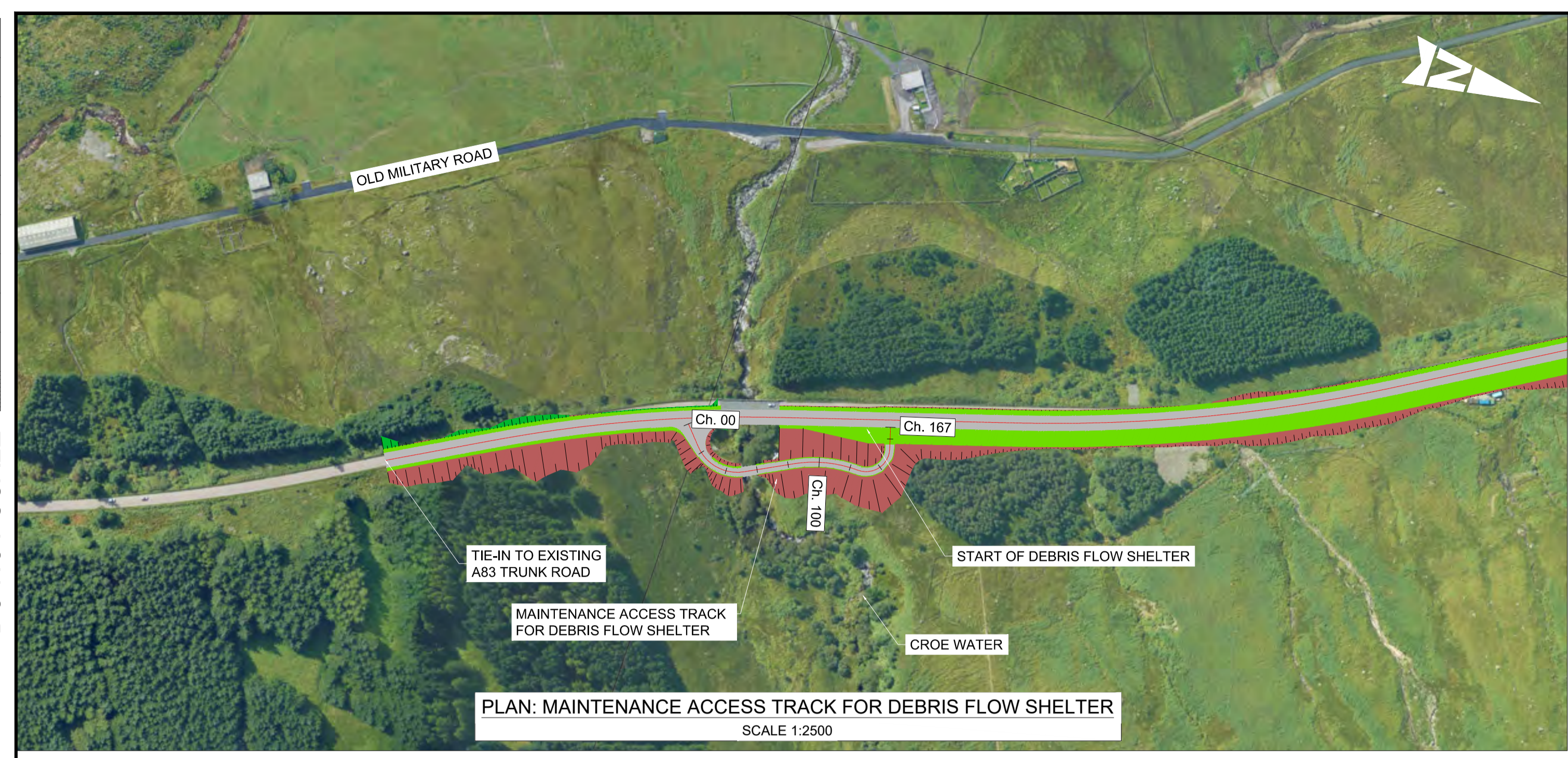


---

This page is blank.



DO NOT SCALE



DATUM: 150.0m

CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	167.454
EXISTING LEVELS	162.707	165.374	169.085	168.490	177.650	177.152	180.217	184.440	178.435	173.459
PROPOSED LEVELS	162.207	164.016	166.392	168.768	170.988	172.227	173.429	174.631	175.834	176.659
LEVEL DIFFERENCE	-0.500	-1.357	-2.693	0.278	-6.662	-4.925	-6.788	-9.809	-2.601	2.800
HORIZONTAL ALIGNMENT	D=15.78m D=32.10m R=27.00m L=35.78m		R=80.00m R=15.00m L=41.58m L=28.38m		D=13.84m					
VERTICAL ALIGNMENT	G=8.00% G=11.88% L=10.72m L=53.62m K=2.0 K=2.0 L=7.76m L=11.74m		G=6.01% G=0.00% L=79.92m L=3.70m							

**PROFILE: MAINTENANCE ACCESS TRACK FOR DEBRIS FLOW SHELTER**  
SCALE: H 1:2500, V 1:1000

DATUM: 250.0m

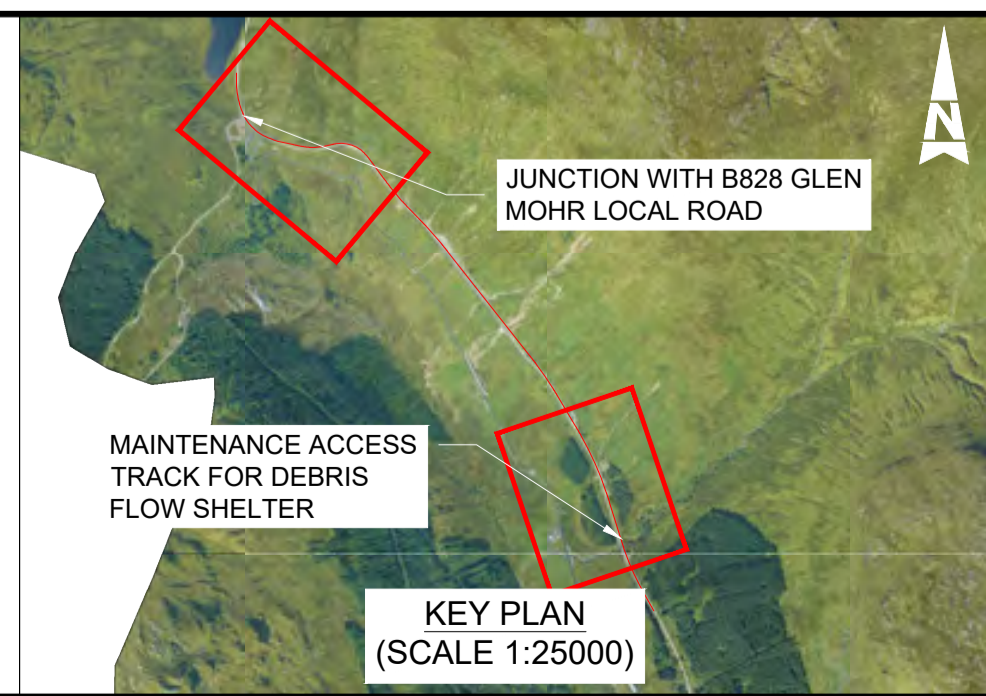
CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	120.000	128.679
EXISTING LEVELS	269.356	267.749	266.225	264.694	263.030	261.692	260.778	260.563
PROPOSED LEVELS	269.341	267.808	266.988	265.724	264.190	262.946	261.273	260.594
LEVEL DIFFERENCE	-0.015	0.059	0.237	-0.970	-1.840	-2.645	-3.505	-3.969
HORIZONTAL ALIGNMENT	D=29.58m		R=42.00m L=59.45m		D=40.65m			
VERTICAL ALIGNMENT	K=9.0 L=45.45m		K=7.0 L=39.66m		G=-7.63% G=-12.68% G=-7.02% L=16.80m L=17.51m L=10.27m			

**PROFILE: JUNCTION WITH B828 GLEN MHOR LOCAL ROAD**  
SCALE: H 1:2500, V 1:1000

- NOTES:**
- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
  - ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2.

- KEY - PLAN:**
- PROPOSED ALIGNMENT
  - PROPOSED CARRIAGEWAY
  - PROPOSED VERGE
  - PROPOSED FOOTWAY
  - PROPOSED KERBS
  - PROPOSED EARTHWORK EMBANKMENT
  - PROPOSED EARTHWORK CUTTING

- KEY - PROFILE:**
- PROPOSED DESIGN PROFILE
  - EXISTING GROUND PROFILE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 2 Issue	S4	P01	ME	SL	CS	RHG	22/05/23

Status: S4 Drawing Suitability: **FOR STAGE APPROVAL**

**ATKINS** **wsp**  
Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**  
COMHDAIL ALBA

Project Stage / Design File	DMRB Stage 2	Status	Preliminary
Project Title	A83 AAB		
Drawing Title	BROWN OPTION SIDE ROADS PLAN AND PROFILE		
Drawing Number	A83AAB - AWJ - HSR - LTS_LC3	Originator	- DR-CH-000001
Location		Type	Number
Original Size	A1	Scale	1:2500
Project Ref. No.	6204594	Sheet	1 of 1
Rev.	P01		



---

This page is blank.



---

## Green Option

[A83AAB-AWJ-HSR-LTS LA0-DR-CH-000001\\_P01.pdf](#) – Side Road Plan and Profile –  
Sheet 1 of 2

[A83AAB-AWJ-HSR-LTS LA0-DR-CH-000002\\_P01.pdf](#) – Side Road Plan and Profile –  
Sheet 2 of 2



---

This page is blank.

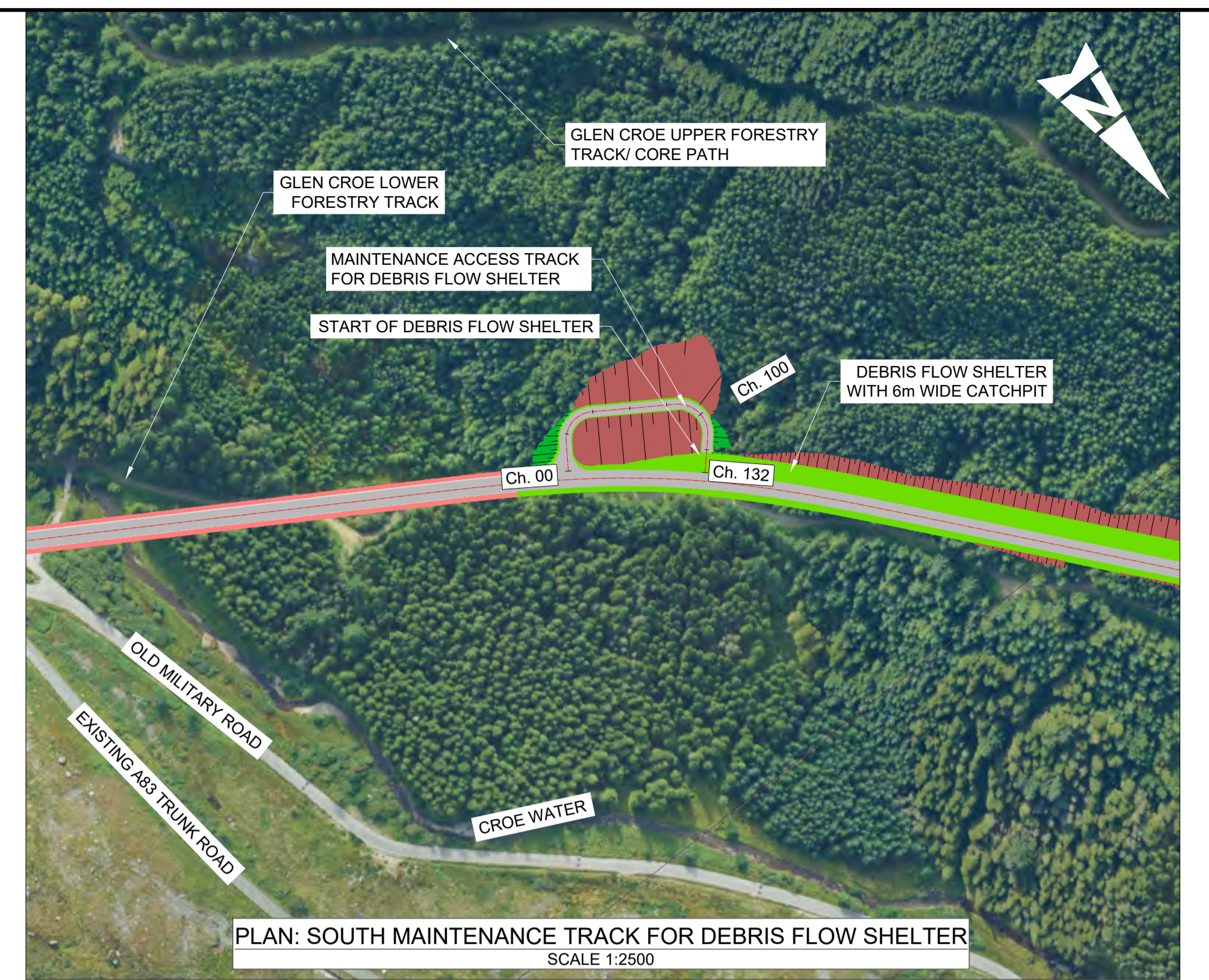


DO NOT SCALE

100  
0 10  
Millimetres



PLAN: FORESTRY ACCESS AND ACCESS TO OLD MILITARY ROAD  
SCALE 1:2500



PLAN: SOUTH MAINTENANCE TRACK FOR DEBRIS FLOW SHELTER  
SCALE 1:2500

DATUM: 75.0m

CHAINAGE	0.000	85.993	20.000	30.246
EXISTING LEVELS	85.993	86.753	87.514	
PROPOSED LEVELS	86.021	86.756	87.514	
LEVEL DIFFERENCE	0.028	0.002	0.000	
HORIZONTAL ALIGNMENT	D=30.25m			
VERTICAL ALIGNMENT	G=3.56% L=17.07m K=2.0 L=10.41m		G=8.77% L=2.77m	

PROFILE: FORESTRY ACCESS  
SCALE: H 1:2500, V 1:1000

DATUM: 75.0m

CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	120.000	128.020
EXISTING LEVELS	89.723	90.235	90.305	89.910	90.662	94.641	91.884	92.011
PROPOSED LEVELS	89.691	90.194	90.715	91.539	92.674	93.710	94.692	94.735
LEVEL DIFFERENCE	-0.032	-0.041	0.410	1.629	2.012	-0.831	2.718	2.725
HORIZONTAL ALIGNMENT	D=5.15m		D=75.36m		D=12.50m			
VERTICAL ALIGNMENT	R=8.34m L=9.74m		G=5.99% L=0.00m		R=16.97m L=25.27m		G=4.28% L=7.41m	
	G=2.52% L=33.98m		K=10.0 L=34.73m		K=26.3 L=44.77m		G=0.52% L=4.02m	
							K=0.8 L=3.11m	

PROFILE: ACCESS TO OLD MILITARY ROAD  
SCALE: H 1:2500, V 1:1000

DATUM: 100.0m

CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	120.000	132.447
EXISTING LEVELS	116.081	123.637	131.625	137.410	138.789	136.273	130.136	126.606
PROPOSED LEVELS	126.456	127.376	128.939	131.059	133.179	135.299	137.419	138.346
LEVEL DIFFERENCE	10.374	3.739	-2.686	-6.352	-5.611	-0.874	7.282	11.740
HORIZONTAL ALIGNMENT	D=15.99m		D=45.67m		D=19.73m			
VERTICAL ALIGNMENT	R=15.00m L=23.30m		R=15.93m L=27.75m		G=4.60% L=20.28m			
	G=4.60% L=20.28m		K=3.0 L=18.00m		K=3.0 L=90.47m		G=0.00% L=3.70m	

PROFILE: SOUTH MAINTENANCE ACCESS TRACK FOR DEBRIS FLOW SHELTER  
SCALE: H 1:2500, V 1:1000

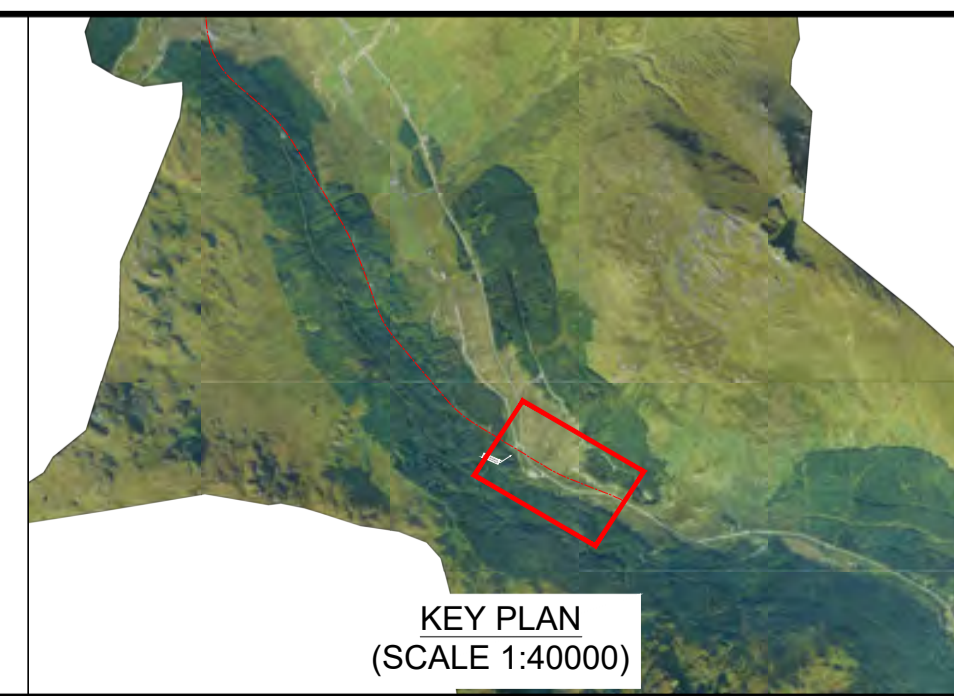
- NOTES:
- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
  - ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.

**KEY - PLAN:**

- PROPOSED ALIGNMENT
- PROPOSED CARRIAGEWAY
- PROPOSED VERGE
- PROPOSED FOOTWAY
- PROPOSED KERBS
- PROPOSED EARTHWORK EMBANKMENT
- PROPOSED EARTHWORK CUTTING

**KEY - PROFILE:**

- PROPOSED DESIGN PROFILE
- EXISTING GROUND PROFILE



KEY PLAN  
(SCALE 1:40000)

Description		Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
S4		FOR STAGE APPROVAL						

Project Stage / Design File: **DMRB Stage 2** State: **Preliminary**

Project Title: **A83 AAB**

Drawing Title: **GREEN OPTION SIDE ROADS PLAN AND PROFILE**

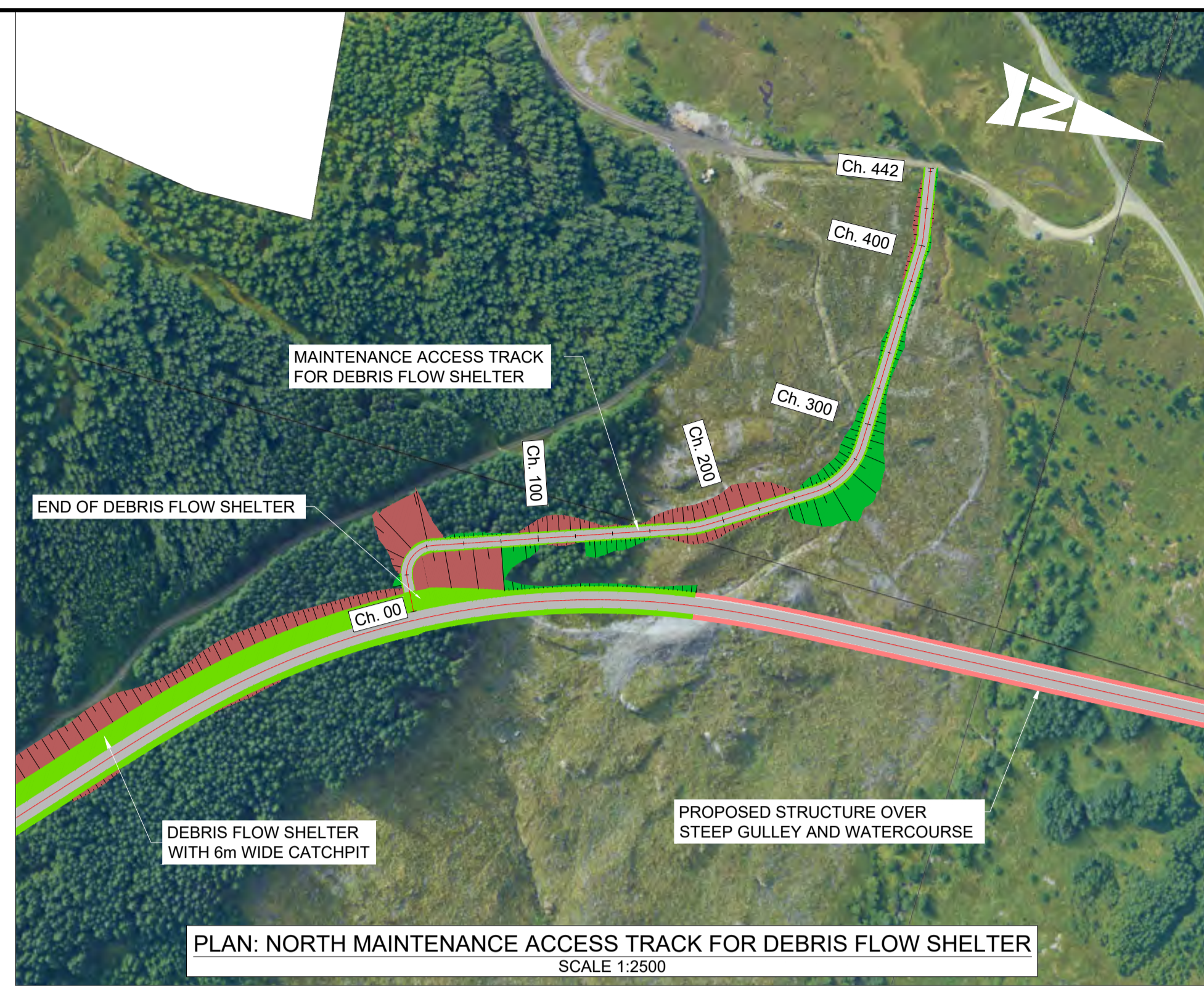
Project: **A83AAB - AWJ - HSR - LTS\_LA0 - DR-CH-000001**

Client: **TRANSPORT SCOTLAND** COMHDHAIL ALBA

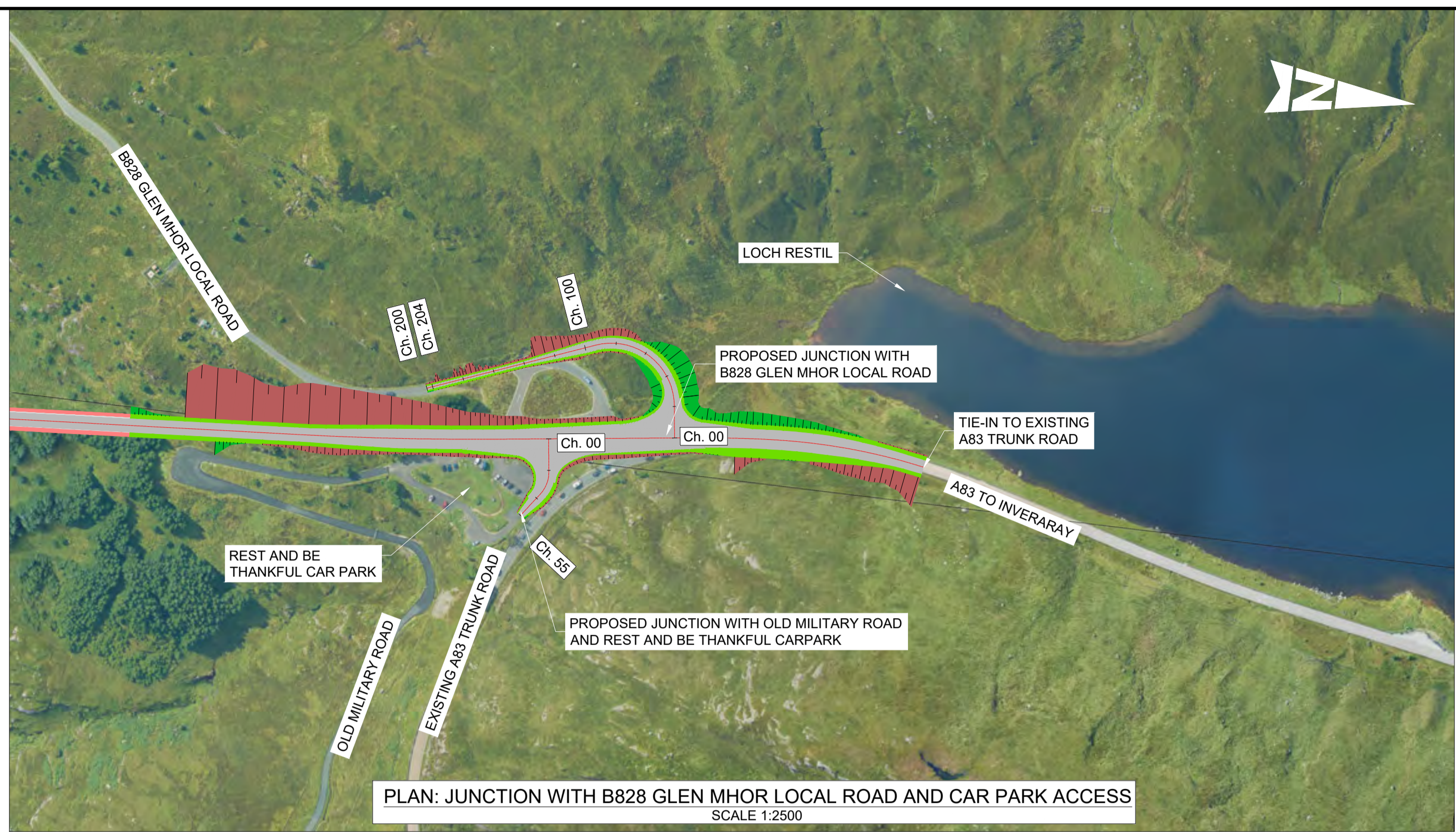
Original Size: **A1** Scale: 1:2500 Project Ref. No.: 6204594 Sheet: 1 of 2 Rev: P01



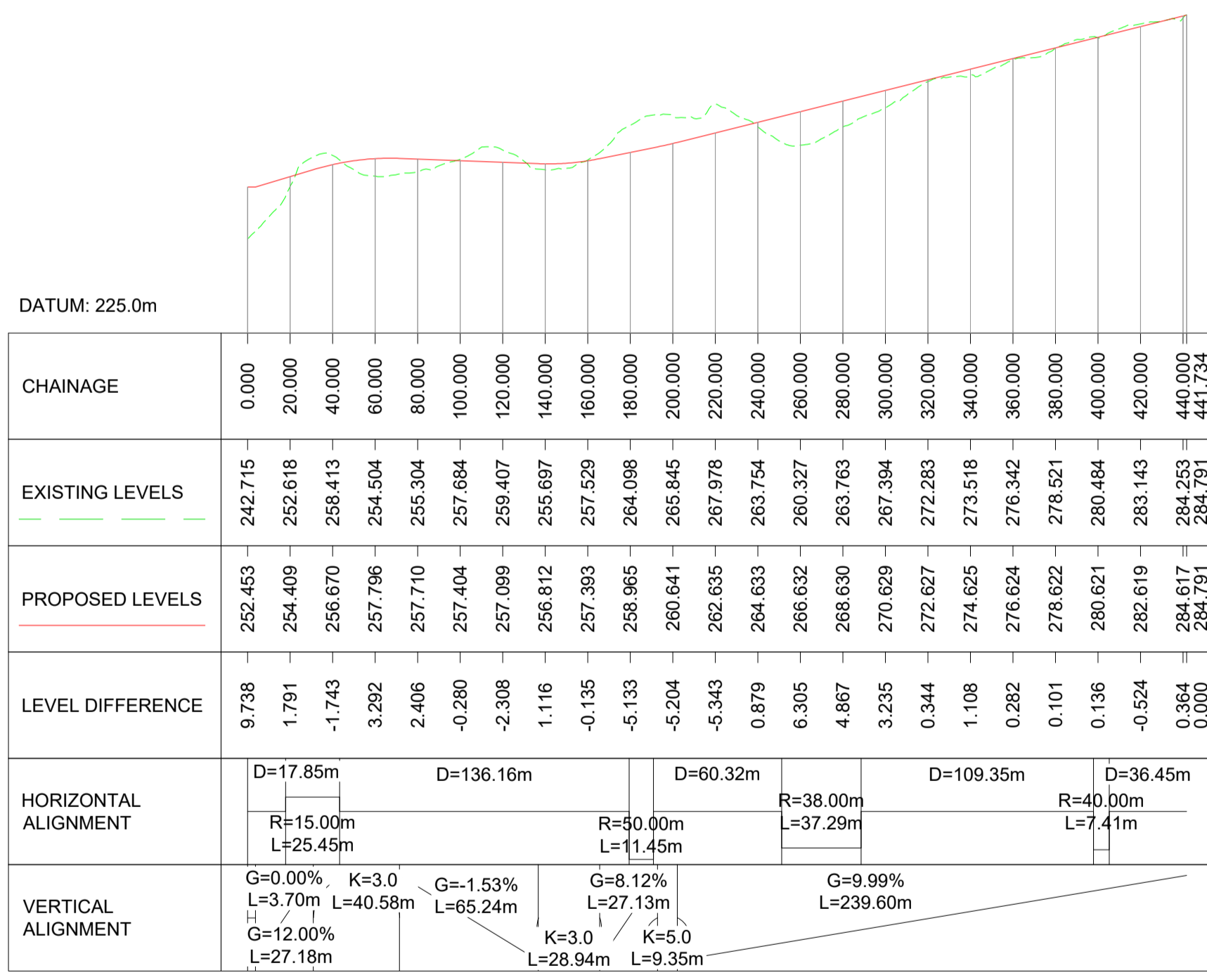
DO NOT SCALE



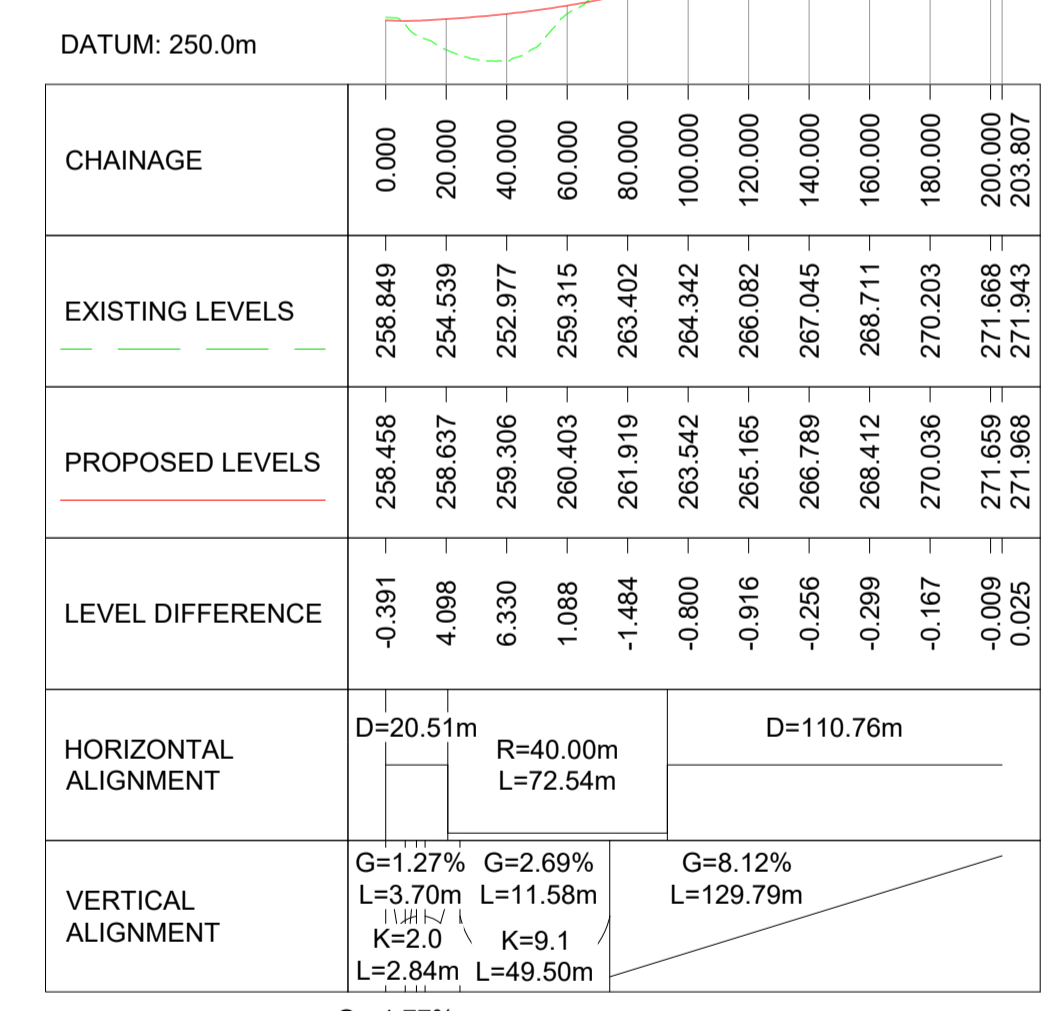
PLAN: NORTH MAINTENANCE ACCESS TRACK FOR DEBRIS FLOW SHELTER  
SCALE 1:2500



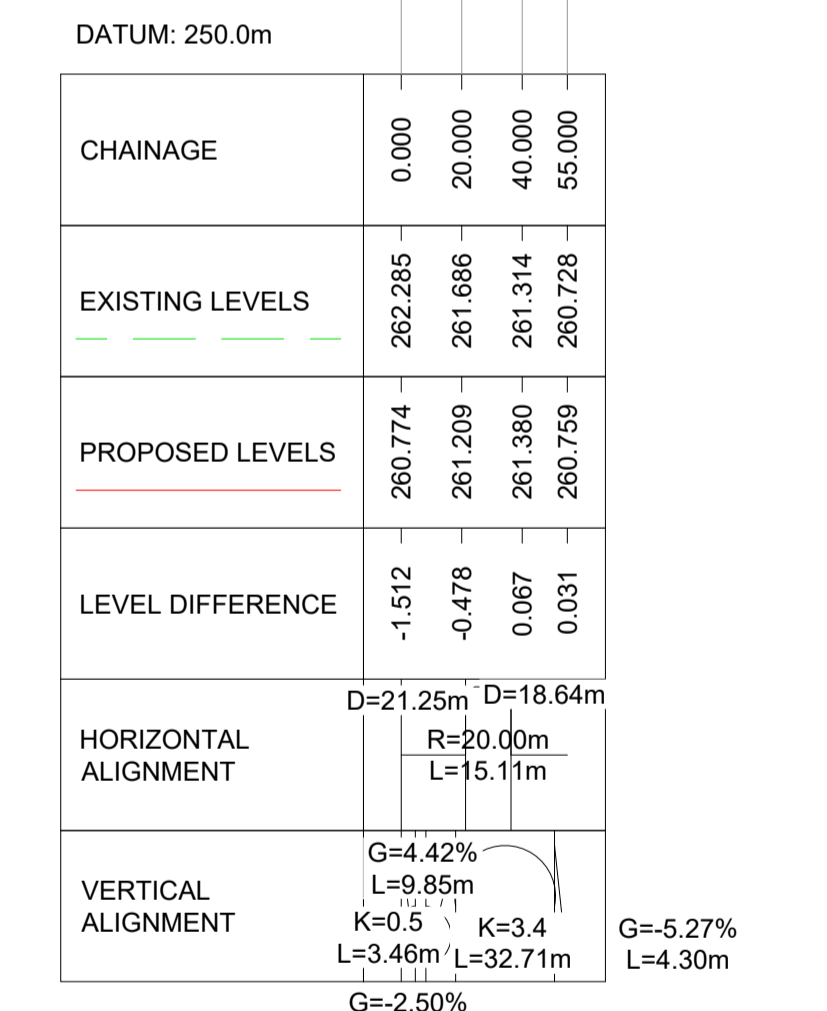
PLAN: JUNCTION WITH B828 GLEN MHOR LOCAL ROAD AND CAR PARK ACCESS  
SCALE 1:2500



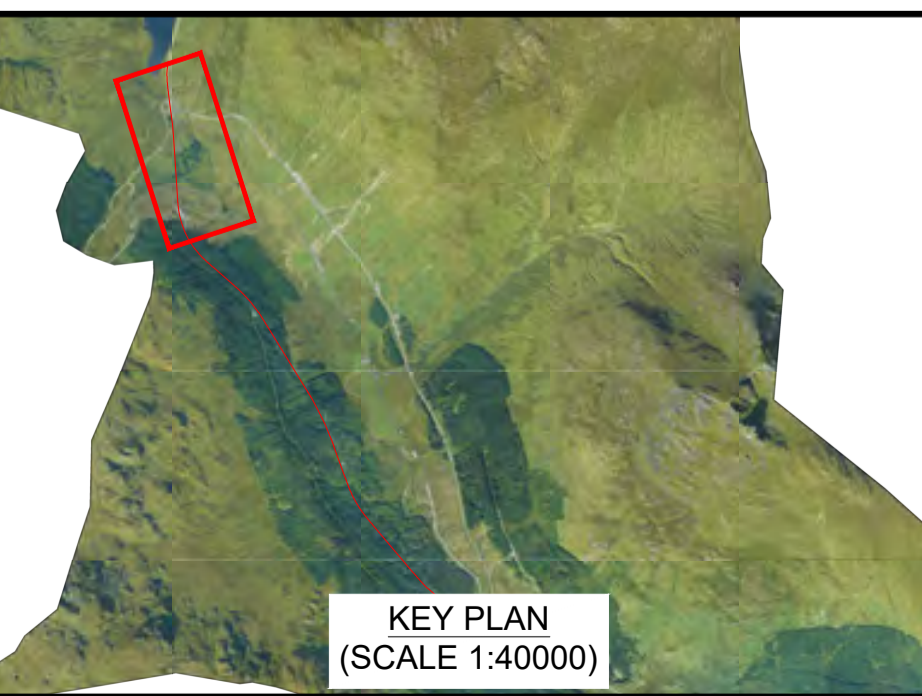
PROFILE: NORTH MAINTENANCE ACCESS TRACK FOR DEBRIS FLOW SHELTER  
SCALE: H 1:2500, V 1:1000



PROFILE: JUNCTION WITH B828 GLEN MHOR LOCAL ROAD  
SCALE: H 1:2500, V 1:1000



PROFILE: REST AND BE THANKFUL CAR PARK ACCESS  
SCALE: H 1:2500, V 1:1000



KEY PLAN  
(SCALE 1:40000)

**NOTES:**

- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.

**KEY - PLAN:**

- PROPOSED ALIGNMENT
- PROPOSED CARRIAGEWAY
- PROPOSED VERGE
- PROPOSED FOOTWAY
- PROPOSED KERBS
- PROPOSED EARTHWORK EMBANKMENT
- PROPOSED EARTHWORK CUTTING

**KEY - PROFILE:**

- PROPOSED DESIGN PROFILE
- EXISTING GROUND PROFILE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 2 Issue	S4	P01	ME	SL	CS	IA	22/05/23

Status: S4 Drawing Suitability: FOR STAGE APPROVAL

**ATKINS** **wsp**  
Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**  
COMHDAIL ALBA

Project Stage / Design File: DMRB Stage 2	State: Preliminary
Project Title: A83 AAB	
Drawing Title: GREEN OPTION SIDE ROADS PLAN AND PROFILE	
Drawing Number: A83AAB - AWJ - HSR - LTS_LA0	Originator: DR-CH-000002
Project: LTS_LA0	Volume: DR-CH-000002
Location: A83 AAB	Type: DR-CH-000002
Original Size: A1	Scale: 1:2500
Project Ref. No.: 6204594	Sheet: 2 of 2
Rev: P01	



---

## Purple Option

[A83AAB-AWJ-HSR-LTS\\_LD1-DR-CH-000001\\_P01.pdf](#) – Junction Plan and Profile – Sheet  
1 of 1

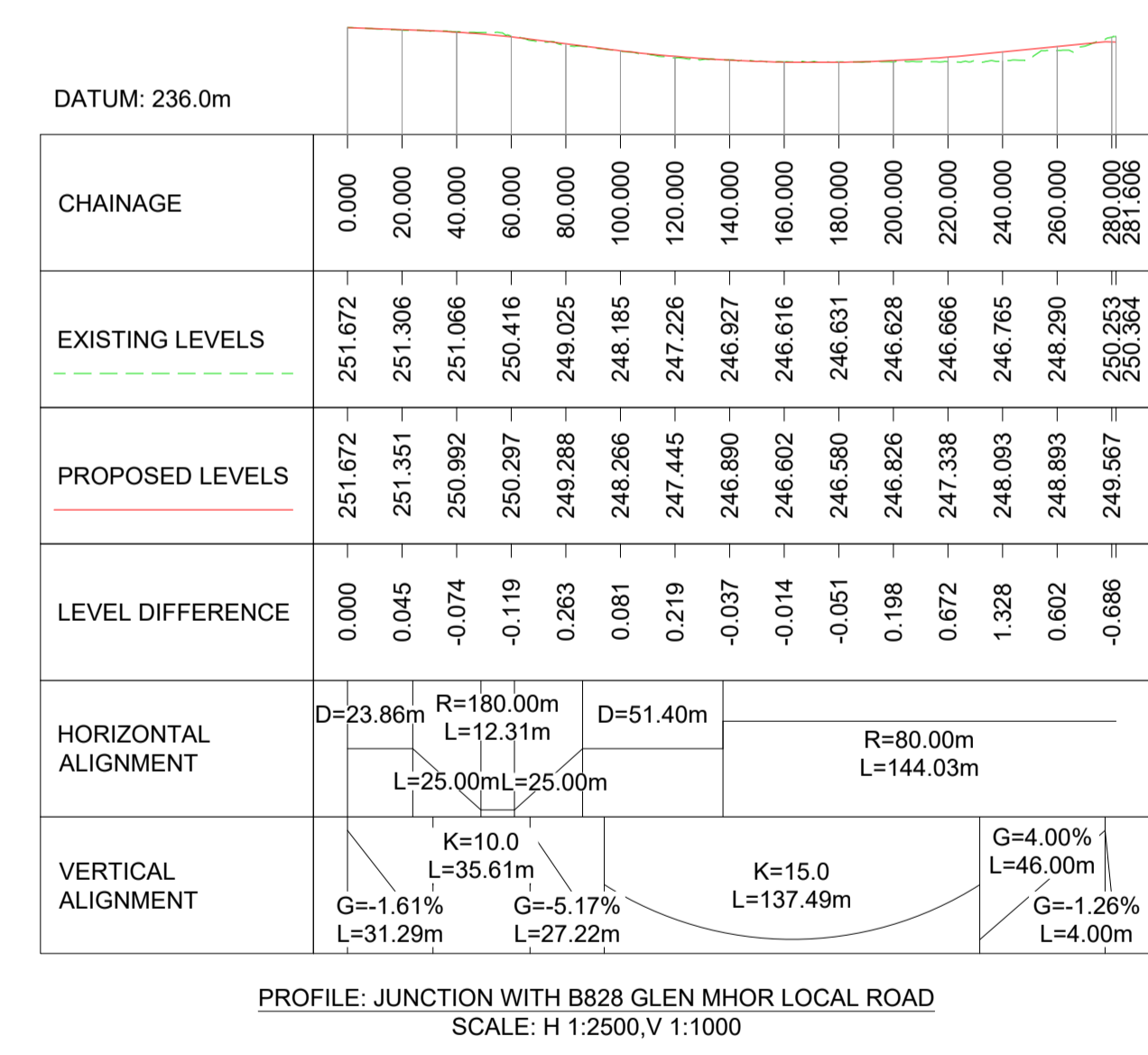
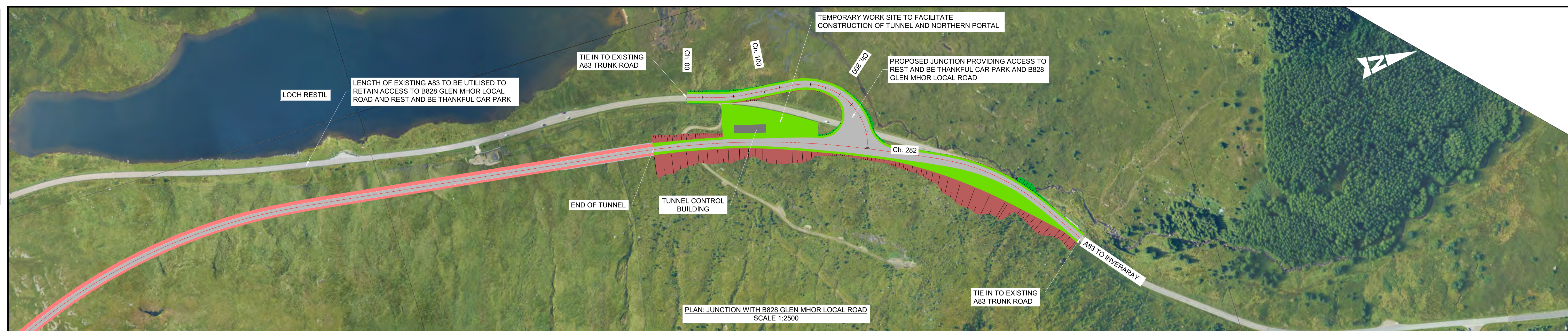


---

This page is blank.



DO NOT SCALE



**NOTES:**

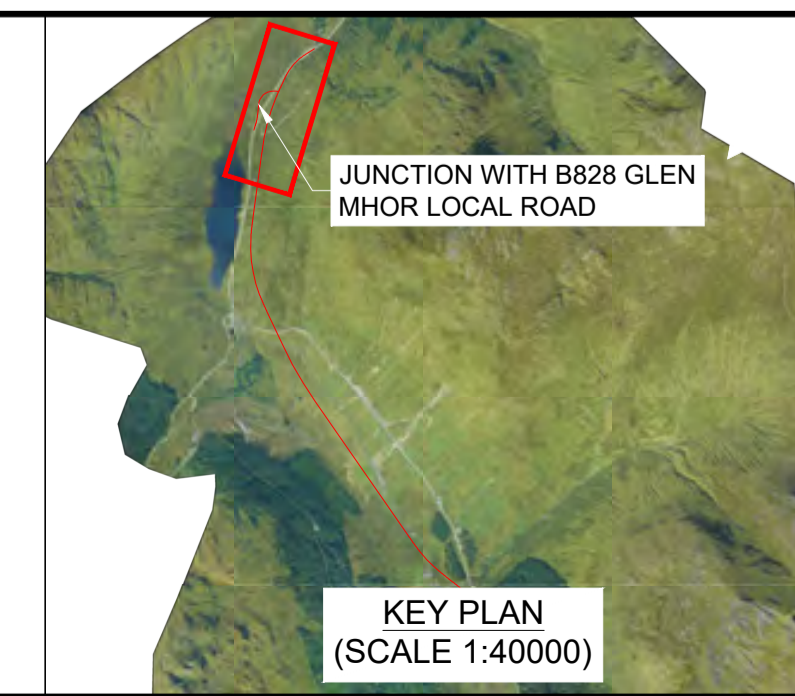
- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.

**KEY - PLAN:**

- PROPOSED ALIGNMENT
- PROPOSED CARRIAGEWAY
- PROPOSED VERGE
- PROPOSED FOOTWAY
- PROPOSED KERBS
- PROPOSED EARTHWORK EMBANKMENT
- PROPOSED EARTHWORK CUTTING

**KEY - PROFILE:**

- PROPOSED DESIGN PROFILE
- EXISTING GROUND PROFILE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 2 Issue	S4	P01	ME	BM	CS	IA	22/05/23

Status: S4 FOR STAGE APPROVAL

ATKINS **wsp**  
Member of the SNC-Lavalin Group

TRANSPORT SCOTLAND  
COMHDHAIL ALBA

Project Stage / Design File	DMRB Stage 2	State	Preliminary
Project Title	A83 AAB		
Drawing Title	PURPLE OPTION JUNCTION PLAN AND PROFILE		
Drawing Number	A83AAB - AWJ - HSR - LTS_LD1	Originator	DR-CH-000001
Location		Type	Number
Original Size	A1	Scale	AS SHOWN
Project Ref. No.	6204594	Sheet	1 of 1
Rev.	P01		



---

This page is blank.



---

## Pink Option

[A83AAB-AWJ-HSR-LTS\\_LEA-DR-CH-000001\\_P01.pdf](#) – Junction Plan and Profile – Sheet  
1 of 1

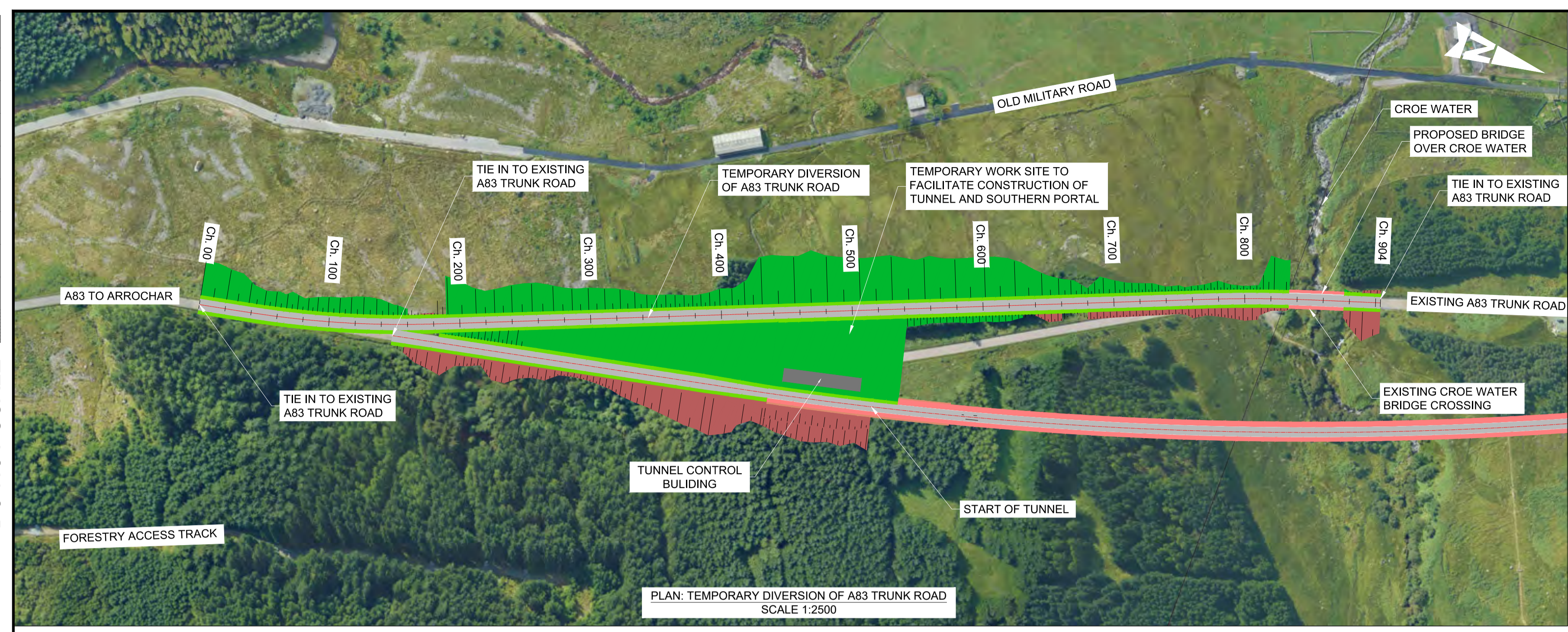


---

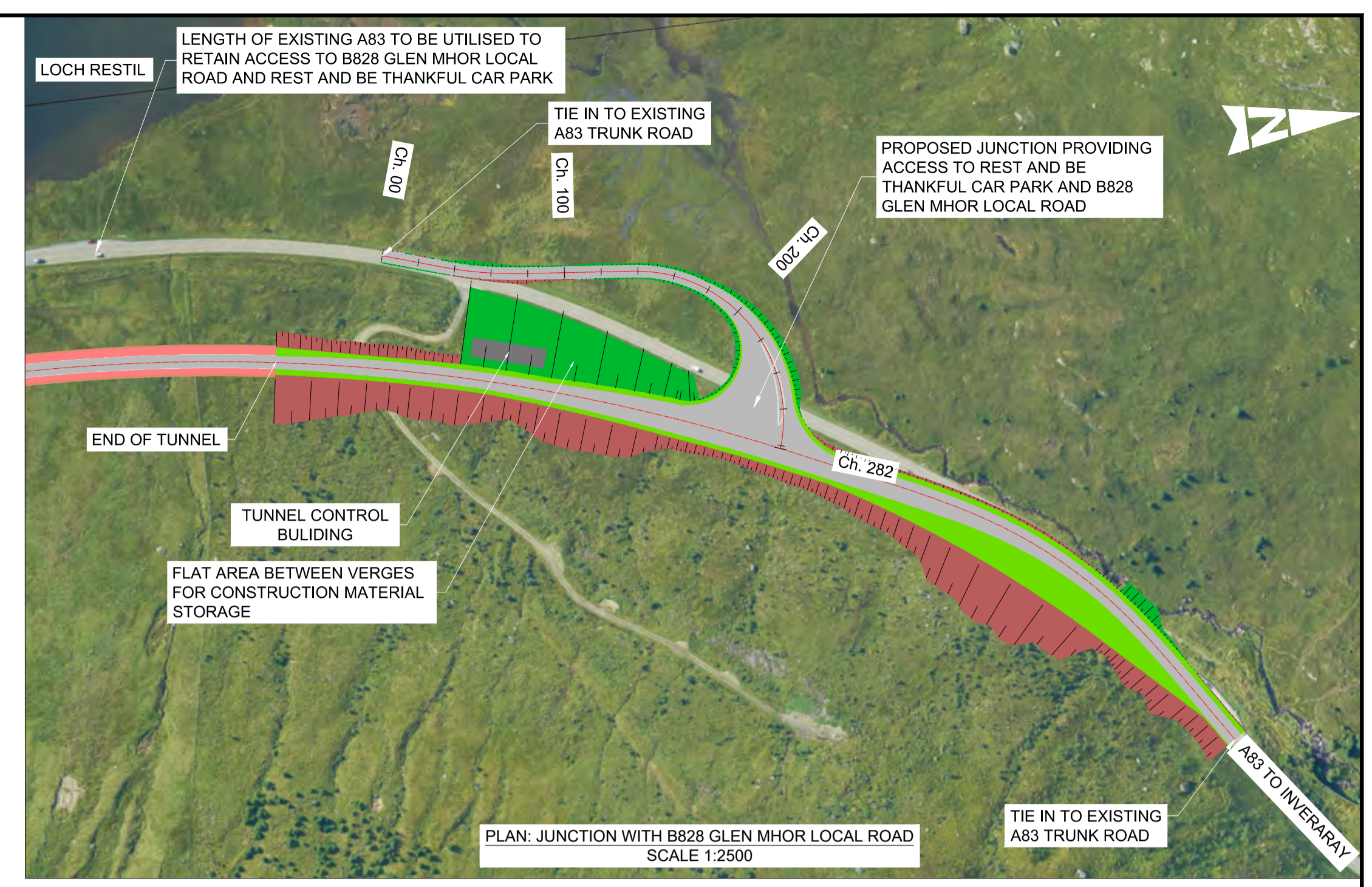
This page is blank.



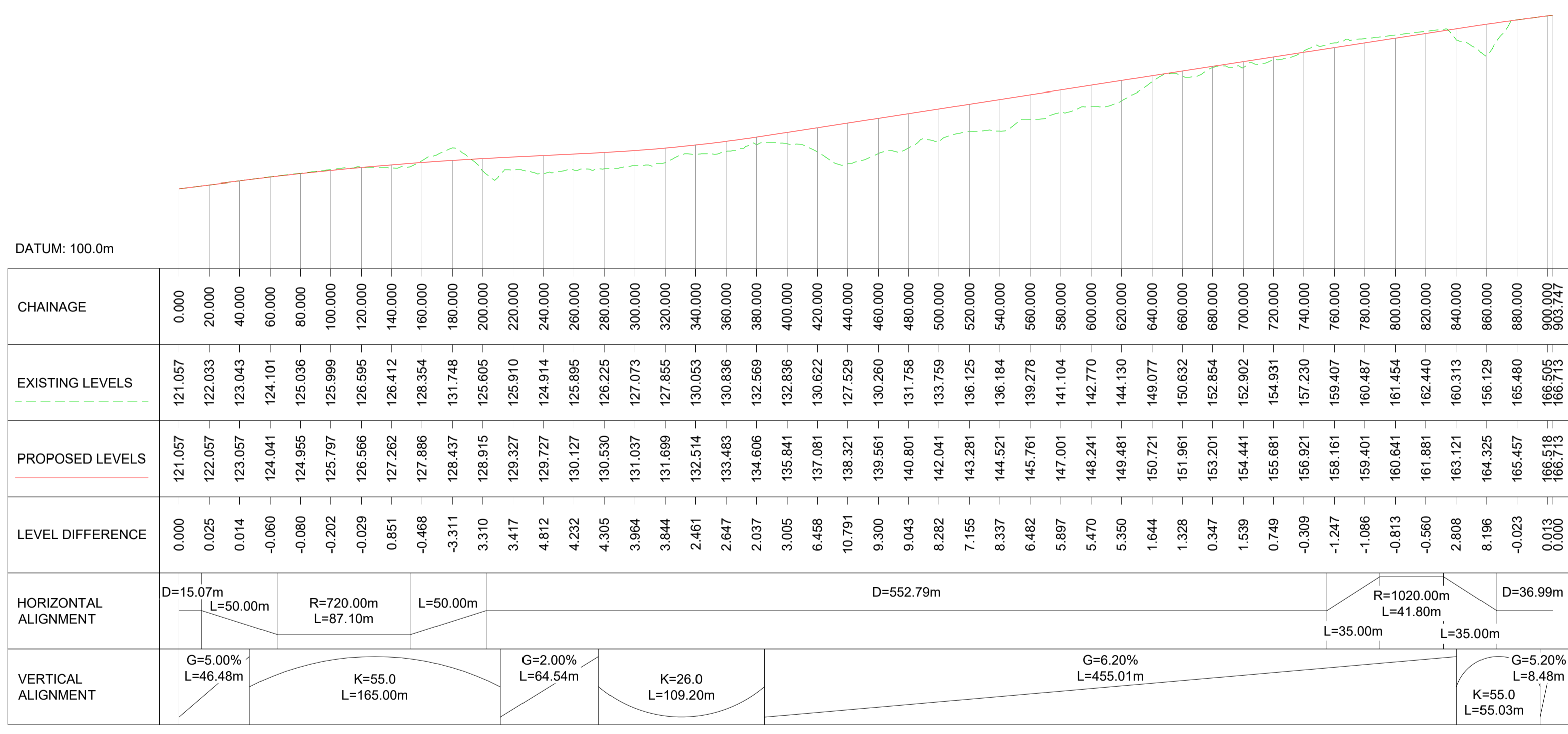
DO NOT SCALE



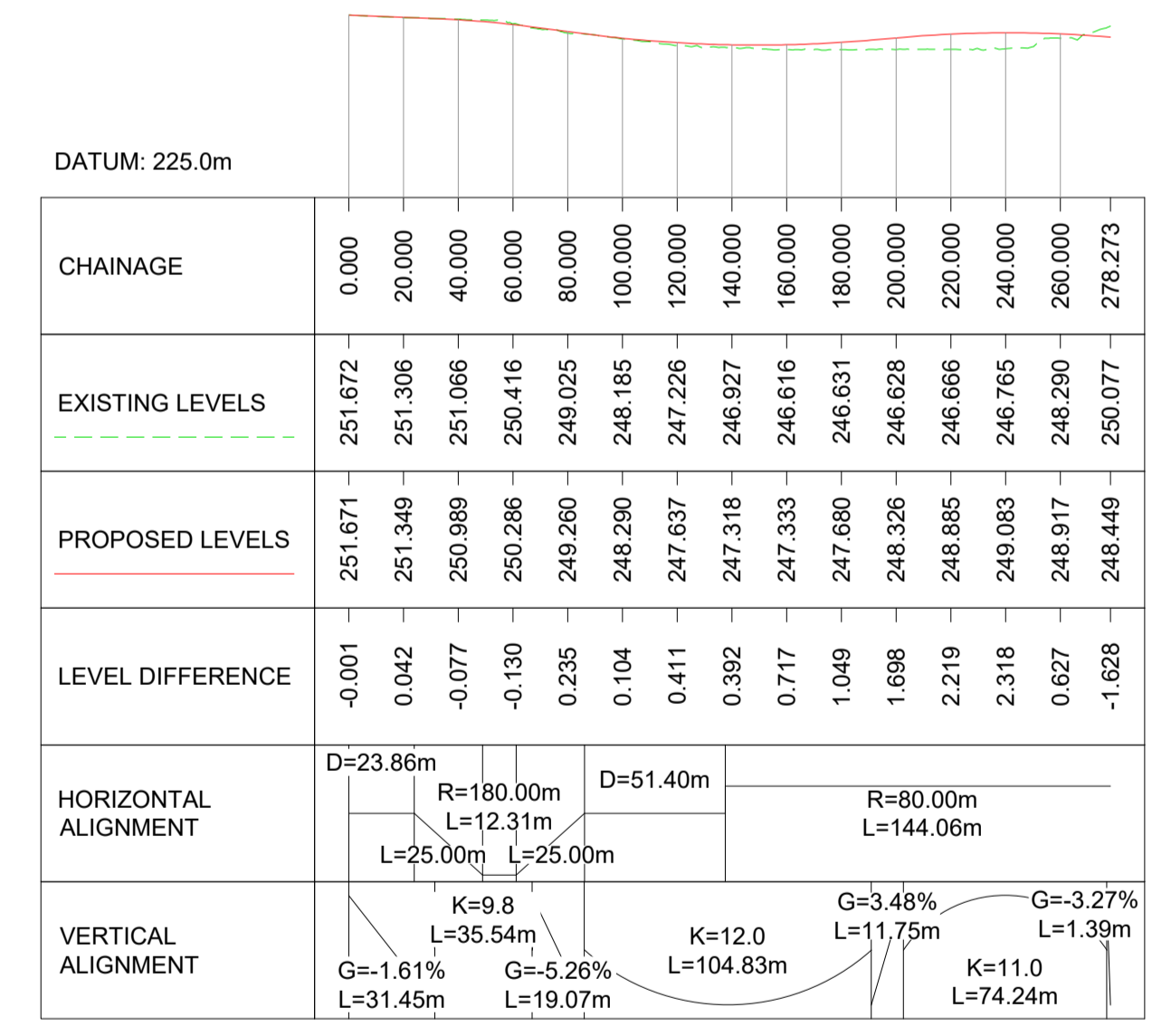
PLAN: TEMPORARY DIVERSION OF A83 TRUNK ROAD  
SCALE 1:2500



PLAN: JUNCTION WITH B828 GLEN MHOR LOCAL ROAD  
SCALE 1:2500



PROFILE: TEMPORARY DIVERSION OF A83 TRUNK ROAD  
SCALE: H 1:2500, V 1:1000



PROFILE: JUNCTION WITH B828 GLEN MHOR LOCAL ROAD  
SCALE: H 1:2500, V 1:1000

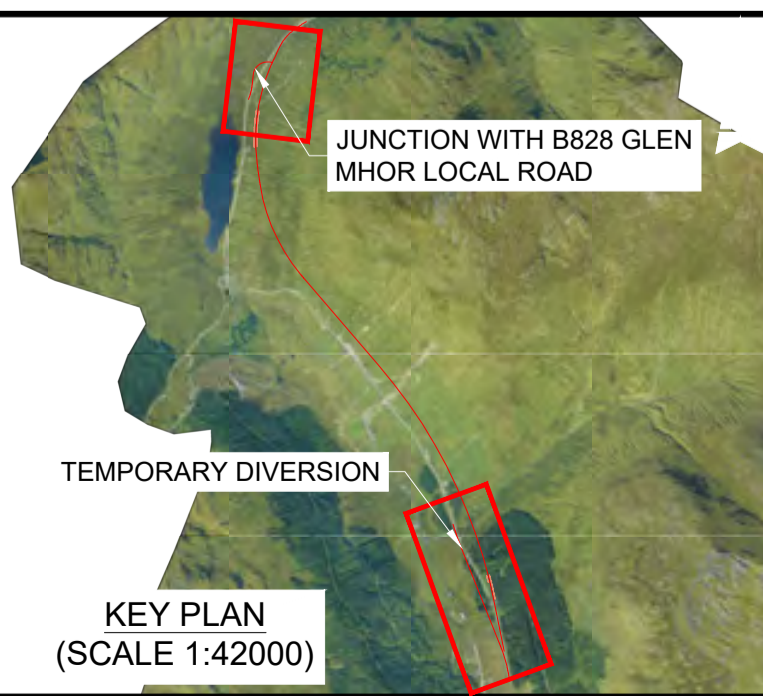
- NOTES:
- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
  - ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.

**KEY - PLAN:**

- PROPOSED ALIGNMENT
- PROPOSED CARRIAGEWAY
- PROPOSED VERGE
- PROPOSED FOOTWAY
- PROPOSED KERBS
- PROPOSED EARTHWORK EMBANKMENT
- PROPOSED EARTHWORK CUTTING

**KEY - PROFILE:**

- PROPOSED DESIGN PROFILE
- EXISTING GROUND PROFILE



KEY PLAN  
(SCALE 1:42000)

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 2 Issue	S4	P01	ME	BM	CS	RHG	22/05/23

Status: S4

Drawing Suitability: FOR STAGE APPROVAL

**ATKINS** **wsp**

Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**

COMHDAIL ALBA

Project Stage / Design File: DMRB Stage 2	State: Preliminary
Project Title: A83 AAB	Drawing Title: PLAN AND PROFILE JUNCTION PINK OPTION
Drawing Number: A83AAB - AWJ - HSR - LTS_LEA - DR-CH-000001	Originator:   Volume:
Location:   Type:   Role:   Number:	Original Size: A1   Scale: AS SHOWN   Project Ref. No.: 6204594   Sheet: 1 of 1   Rev: P01



---

This page is blank.



---

## 5. Drainage and Hydrology Plans

### Yellow Option

[A83AAB-AWJ-HDG-LTS\\_LB3-DR-CD-000001\\_P01.pdf](#) – Drainage Plan and Profile – Sheet  
1 of 2

[A83AAB-AWJ-HDG-LTS\\_LB3-DR-CD-000002\\_P01.pdf](#) – Drainage Plan and Profile – Sheet  
2 of 2

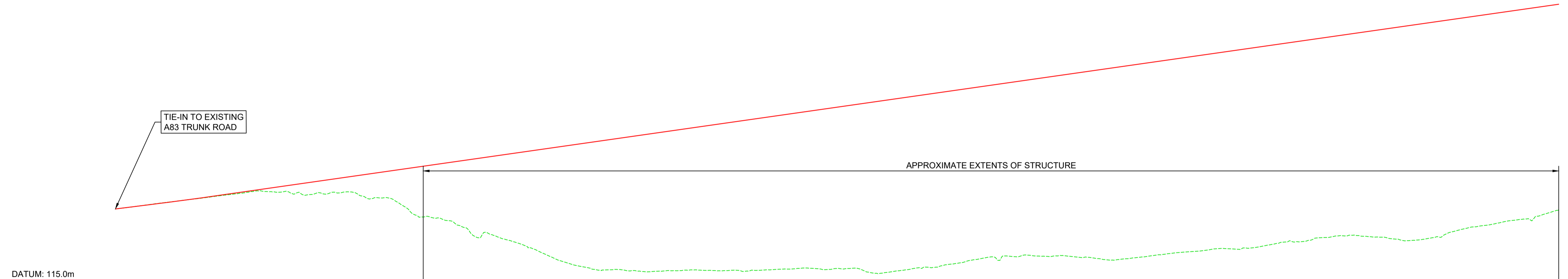
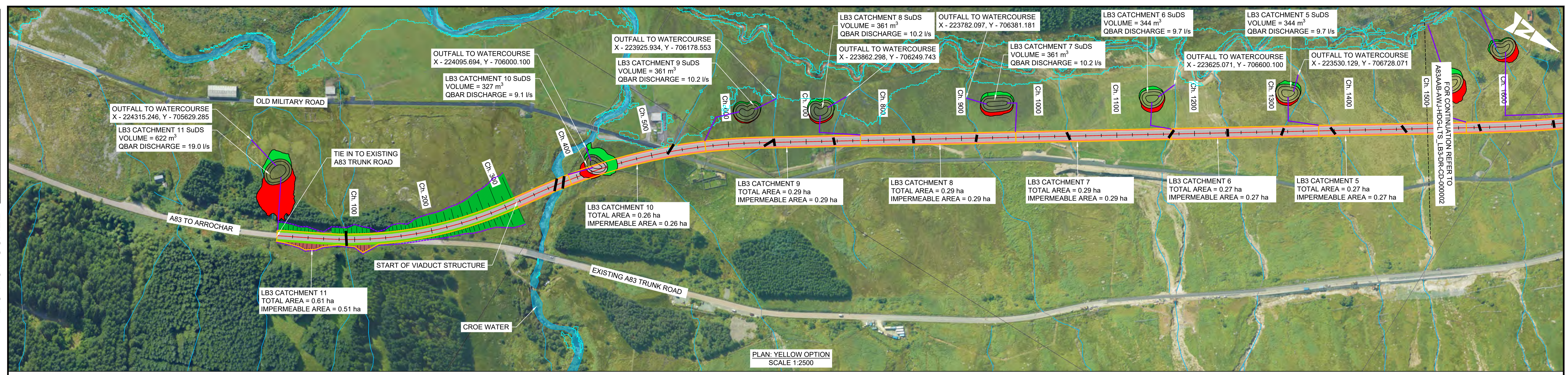


---

This page is blank.



DO NOT SCALE



DATUM: 115.0m

CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	320.000	340.000	360.000	380.000	400.000	420.000	440.000	460.000	480.000	500.000	520.000	540.000	560.000	580.000	600.000	620.000	640.000	660.000	680.000	700.000	720.000	740.000	760.000	780.000	800.000	820.000	840.000	860.000	880.000	900.000	920.000	940.000	960.000	980.000	1000.000	1020.000	1040.000	1060.000	1080.000	1100.000	1120.000	1140.000	1160.000	1180.000	1200.000	1220.000	1240.000	1260.000	1280.000	1300.000	1320.000	1340.000	1360.000	1380.000	1400.000	1420.000	1440.000	1460.000	1480.000	1500.000
EXISTING LEVELS	147.274	148.267	149.356	150.343	151.320	152.318	153.307	154.471	154.419	154.366	153.147	153.510	154.361	152.065	151.954	148.373	143.941	143.000	139.956	135.731	135.276	132.895	129.679	126.075	123.728	122.024	122.168	121.692	121.356	121.644	121.949	121.736	121.628	121.686	121.972	122.313	122.135	122.633	121.251	120.851	121.921	123.084	123.779	125.024	126.700	126.437	127.621	127.702	127.834	127.261	126.698	126.124	127.026	128.004	128.974	129.618	130.549	130.688	131.057	132.408	134.009	134.255	135.394	136.102	135.911	135.453	134.041	134.712	136.219	138.879	140.282	141.677	142.943	144.400	146.834	
PROPOSED LEVELS	147.274	148.274	149.275	150.300	151.365	152.470	153.608	154.748	155.888	157.028	158.168	159.308	160.449	161.589	162.729	163.869	165.009	166.149	167.289	168.429	169.570	170.710	171.850	172.990	174.130	175.270	176.410	177.550	178.691	179.831	180.971	182.111	183.251	184.391	185.531	186.671	187.812	188.952	190.092	191.232	192.372	193.512	194.652	195.792	196.933	198.073	199.213	200.353	201.493	202.633	203.773	204.913	206.054	207.194	208.334	209.474	210.614	211.754	212.894	214.034	215.175	216.315	217.455	218.595	219.735	220.875	222.015	223.155	224.296	225.436	226.576	227.716	228.856	229.996	231.136	232.276
LEVEL DIFFERENCE	0.000	0.008	-0.081	-0.043	0.045	0.153	0.301	0.277	1.469	2.862	5.021	5.798	6.088	9.524	10.775	15.496	21.068	23.149	27.333	32.699	34.294	37.814	42.171	46.914	50.402	53.247	54.242	55.858	57.334	58.187	59.021	60.375	61.423	62.705	63.559	64.359	65.093	66.816	67.559	69.981	71.521	71.591	71.568	72.013	71.908	71.373	72.776	72.732	73.791	74.799	76.512	78.214	79.929	80.167	80.330	80.501	80.996	81.205	82.206	82.978	82.766	82.305	83.201	83.201	83.633	84.964	86.562	89.114	89.584	89.217	87.696	87.434	87.179	87.063	86.736	85.442
HORIZONTAL ALIGNMENT	D=37.18m		L=40.00m		R=510.00m L=201.94m				L=55.00m L=33.00m				R=720.00m L=245.77m				L=50.00m		D=903.84m																																																									
VERTICAL ALIGNMENT	G=5.00%		L=37.40m		K=100.0		L=70.04m		G=5.70%														L=1717.18m																																																					

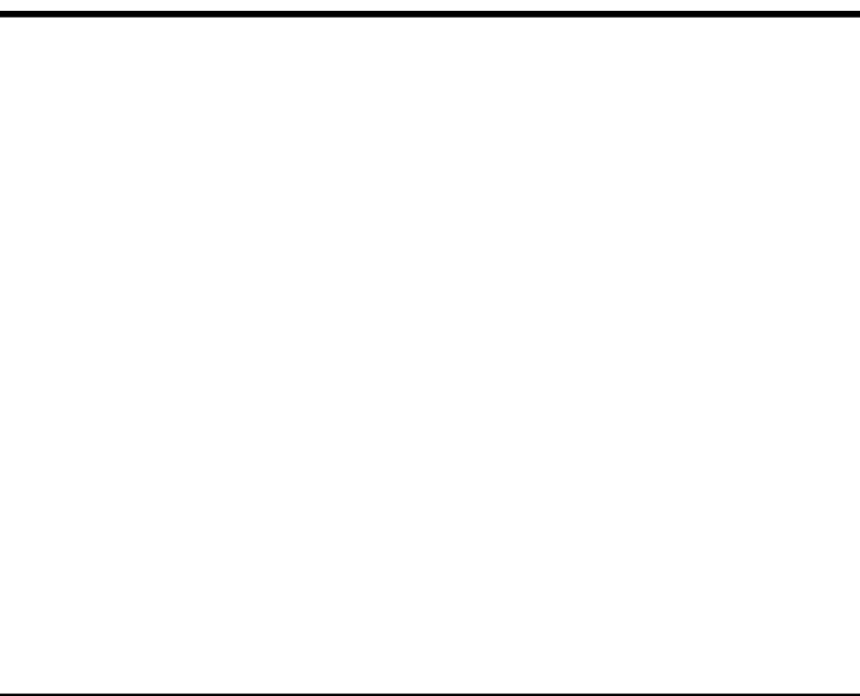
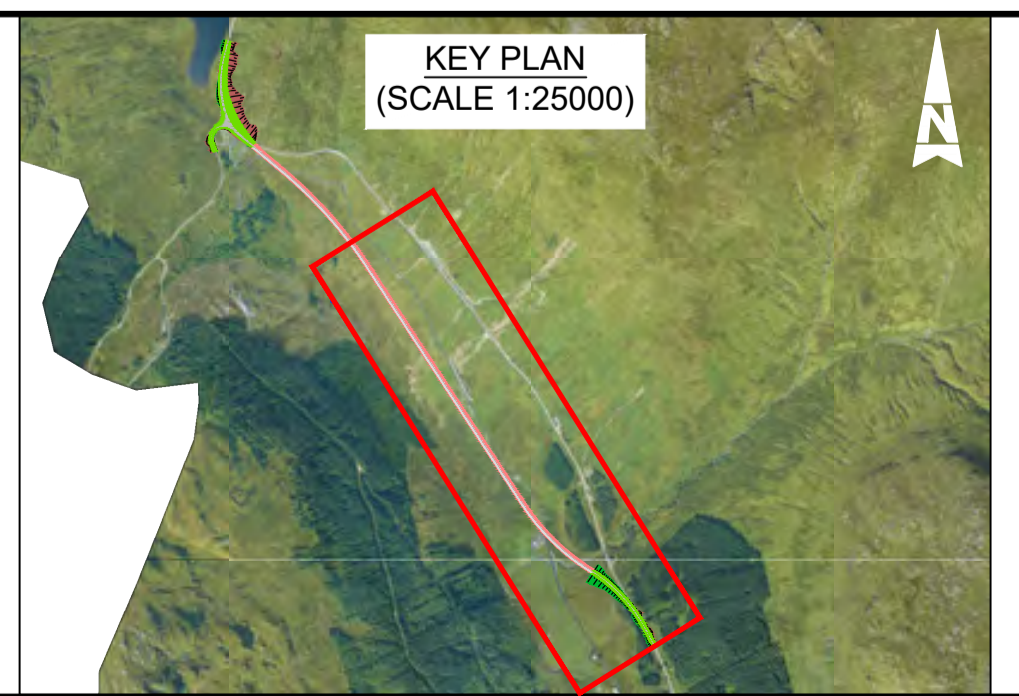
PROFILE: YELLOW OPTION  
SCALE: H 1:2500, V 1:1000

**NOTES:**

- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.
- DRAWING MUST BE PLOTTED/PRINTED IN COLOUR.
- WATERCOURSES AND CROSSINGS ARE SHOWN AS ESTIMATED LOCATIONS. EXACT OUTFALLS TO BE DETERMINE AT NEXT STAGE.

**KEY - PLAN:**

- CATCHMENT EXTENTS
- SuDS CUT EARTHWORKS
- SuDS FILL EARTHWORKS
- INDICATIVE CARRIER PIPE TO SuDS/OUTFALL
- PRE-EARTHWORKS DRAINAGE
- 200 YEAR+CC FLOOD PLAIN EXTENTS
- INDICATIVE WATERCOURSE/PED CROSSING
- WATERCOURSE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 2 Issue	S4	P01	AK	GL	PG	IA	23/05/23

Status: S4

Drawing Suitability: FOR STAGE APPROVAL

**ATKINS** **wsp**

Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**

COMHDAIL ALBA

Project Stage / Design File: DMRB Stage 2

State: Preliminary

Project Title: A83 AAB

Drawing Title: YELLOW OPTION DRAINAGE PLAN AND PROFILE

Client: A83AAB - AWJ - HDG - LTS\_LB3 - DR-CD-00001

Original Size: A1

Scale: AS SHOWN

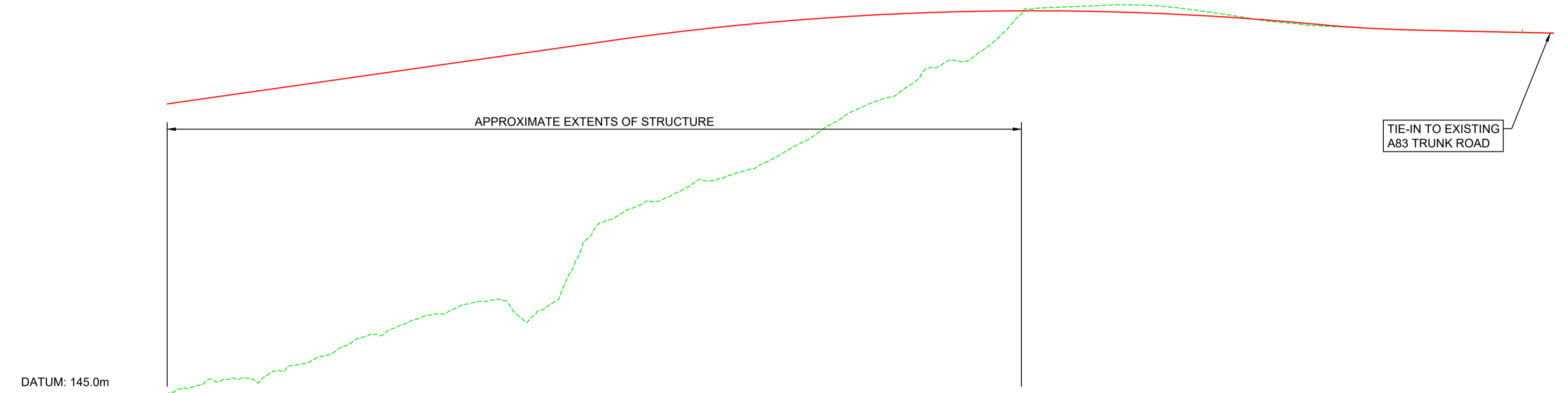
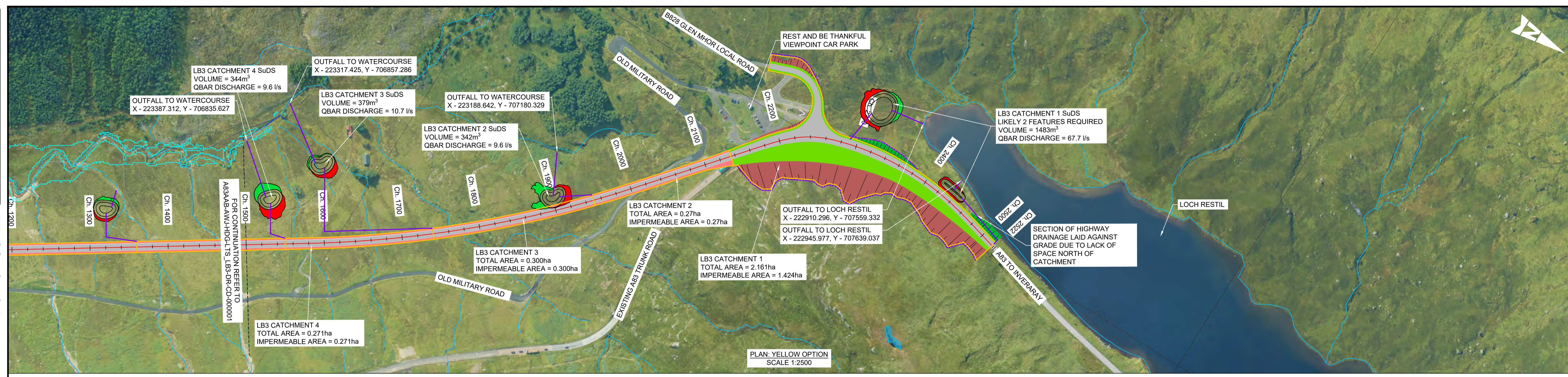
Project Ref. No.: 6204594

Sheet: 1 of 2

Rev: P01



DO NOT SCALE



CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS	LEVEL DIFFERENCE	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
1500.000	146.834	232.276	85.442	L=25.00m	G=5.70% L=1717.18m
1520.000	148.916	233.417	84.500		
1540.000	150.799	234.557	83.758	R=1440.00m L=397.80m	K=55.0 L=521.47m
1560.000	151.370	235.697	84.327		
1600.000	153.621	237.977	84.356	D=155.87m	K=26.0 L=75.08m
1620.000	155.684	239.117	83.433		
1640.000	156.000	240.257	84.257	L=55.00m	G=-0.89% L=101.26m
1660.000	156.479	241.397	84.918		
1680.000	156.384	242.538	86.154	D=22.49	
1700.000	157.364	243.678	86.314		
1720.000	157.200	244.818	87.618		
1740.000	157.439	245.958	88.519		
1760.000	157.498	247.098	89.600		
1780.000	157.421	248.238	90.817		
1800.000	157.470	249.378	91.908		
1820.000	157.294	250.518	93.224		
1840.000	201.168	251.657	50.489		
1860.000	203.516	252.797	49.281		
1880.000	206.903	253.937	46.934		
1900.000	209.544	254.562	44.818		
1920.000	211.889	255.187	43.303		
1940.000	214.816	255.812	41.000		
1960.000	219.198	256.437	37.239		
1980.000	223.754	257.062	33.308		
2000.000	228.857	257.687	28.830		
2020.000	232.623	258.312	25.689		
2040.000	235.710	258.937	23.227		
2060.000	242.589	259.562	16.973		
2080.000	245.167	260.187	14.020		
2100.000	247.721	260.812	11.099		
2120.000	254.552	261.437	7.885		
2140.000	260.427	262.062	5.635		
2160.000	260.813	262.687	5.874		
2180.000	261.107	263.312	6.205		
2200.000	261.457	263.937	6.480		
2220.000	261.373	264.562	6.189		
2240.000	260.830	265.187	5.357		
2260.000	259.802	265.812	4.010		
2280.000	258.669	266.437	2.768		
2300.000	257.377	267.062	1.685		
2320.000	256.328	267.687	1.359		
2340.000	255.502	268.312	1.210		
2360.000	255.076	268.937	1.361		
2380.000	254.700	269.562	1.562		
2400.000	254.324	270.187	1.863		
2420.000	254.074	270.812	2.138		
2440.000	253.835	271.437	2.402		
2460.000	253.659	272.062	2.643		
2480.000	253.467	272.687	2.870		
2500.000	253.278	273.312	3.034		
2520.000	253.130	273.937	3.107		
2540.000	253.148	274.562	3.114		
2560.000	253.130	275.187	3.057		

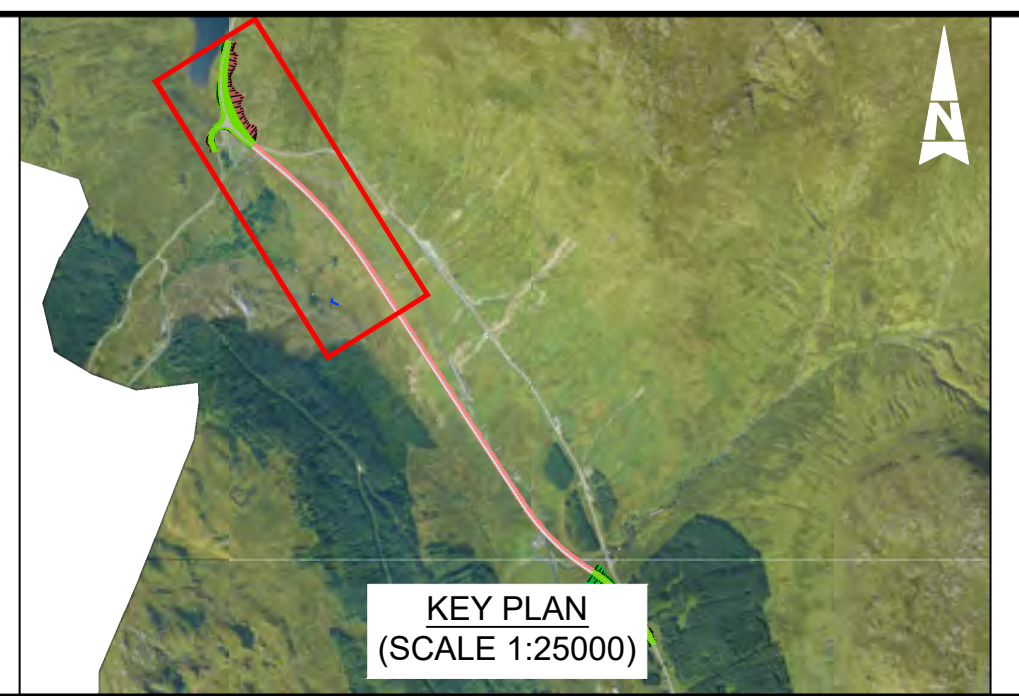
PROFILE: YELLOW OPTION  
SCALE: H 1:2500, V 1:1000

**NOTES:**

- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.
- DRAWING MUST BE PLOTTED/PRINTED IN COLOUR.
- WATERCOURSES AND CROSSINGS ARE SHOWN AS ESTIMATED LOCATIONS. EXACT OUTFALLS TO BE DETERMINE AT NEXT STAGE.

**KEY - PLAN:**

- CATCHMENT EXTENTS
- SuDS CUT EARTHWORKS
- SuDS FILL EARTHWORKS
- INDICATIVE CARRIER PIPE TO SuDS/OUTFALL
- PRE-EARTHWORKS DRAINAGE
- 200 YEAR+CC FLOOD PLAIN EXTENTS
- INDICATIVE WATERCOURSE/PED CROSSING
- WATERCOURSE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 2 Issue	S4	P01	AK	GL	PG	IA	23/05/23

**ATKINS** **wsp**  
Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**  
COMHDAIL ALBA

Project Stage / Design File	DMRB Stage 2	Status	Preliminary
Project Title	A83 AAB		
Drawing Title	YELLOW OPTION DRAINAGE PLAN AND PROFILE		
Drawing Number	A83AAB - AWJ - HDG - LTS_LB3	Originator	Volume
Location	LTS_LB3 - DR-CD-000002	Type	Number
Original Size	A1	Scale	AS SHOWN
Project Ref. No.	6204594	Sheet	2 of 2
Rev.	P01		



---

## Brown Option

[A83AAB-AWJ-HDG-LTS LC3-DR-CD-000001 P01.pdf](#) – Drainage Plan and Profile – Sheet  
1 of 2

[A83AAB-AWJ-HDG-LTS LC3-DR-CD-000002 P01.pdf](#) – Drainage Plan and Profile – Sheet  
2 of 2

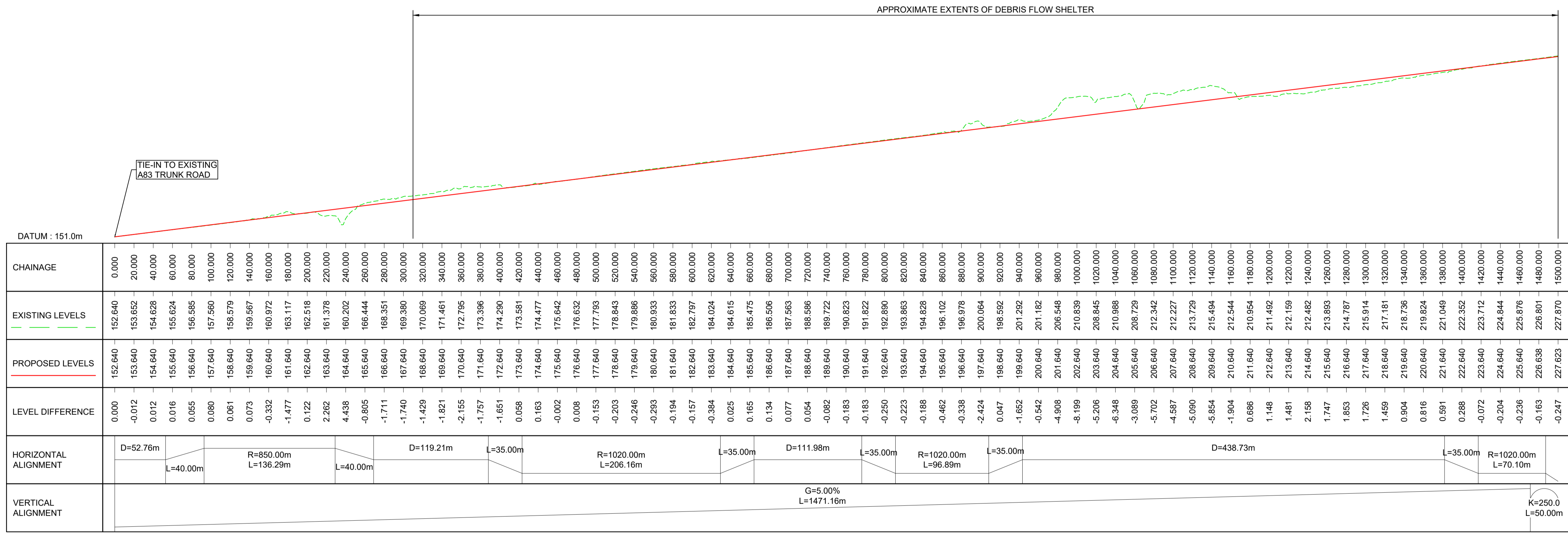
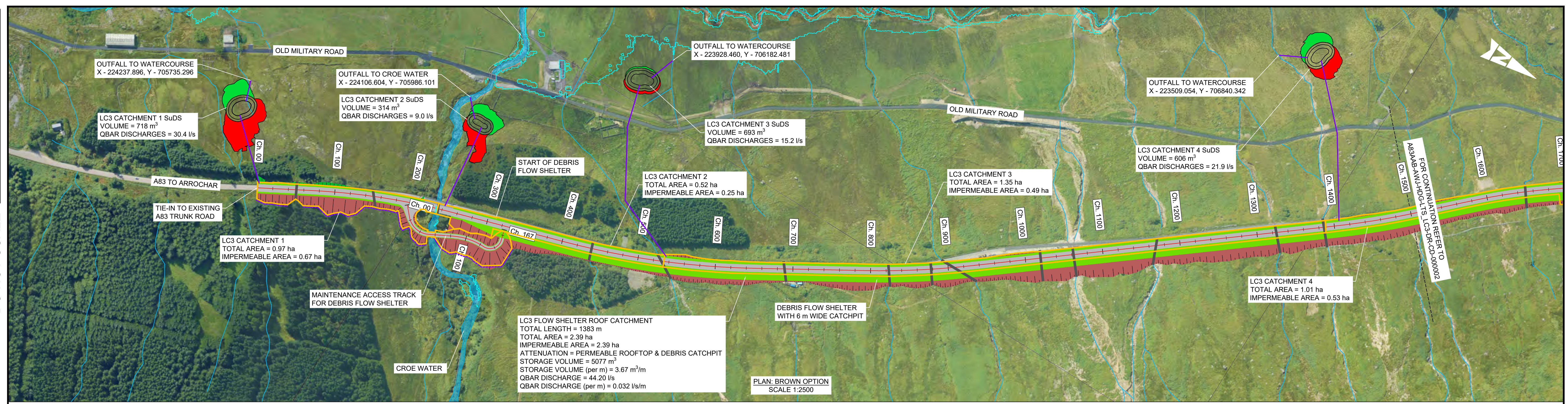


---

This page is blank.



DO NOT SCALE



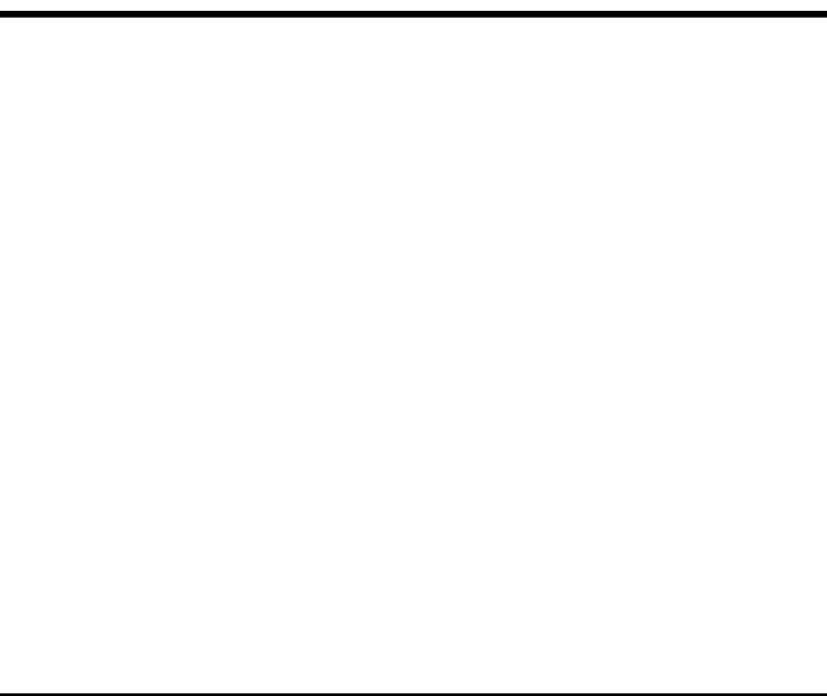
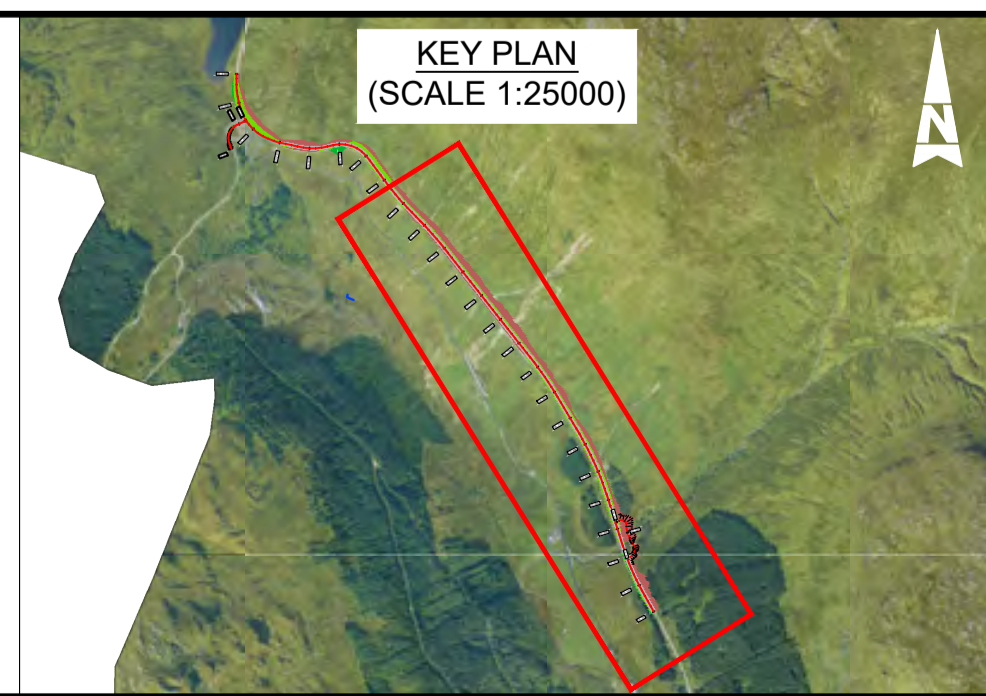
PROFILE: BROWN OPTION  
SCALE: H 1:2500, V 1:1000

**NOTES:**

- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.
- DRAWING MUST BE PLOTTED/PRINTED IN COLOUR.
- WATERCOURSES AND CROSSINGS ARE SHOWN AS ESTIMATED LOCATIONS. EXACT OUTFALLS TO BE DETERMINE AT NEXT STAGE.

**KEY - PLAN:**

- CATCHMENT EXTENTS
- SuDS CUT EARTHWORKS
- SuDS FILL EARTHWORKS
- INDICATIVE CARRIER PIPE TO SuDS/OUTFALL
- PRE-EARTHWORKS DRAINAGE
- 200 YEAR+CC FLOOD PLAIN EXTENTS
- INDICATIVE WATERCOURSE/PED CROSSING
- WATERCOURSE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
	S4						

**ATKINS** *wsp*  
Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**  
COMHDAIL ALBA

Project Stage / Design File: **DMRB Stage 2** State: **Preliminary**

Project Title: **A83 AAB**

Drawing Title: **BROWN OPTION DRAINAGE PLAN AND PROFILE**

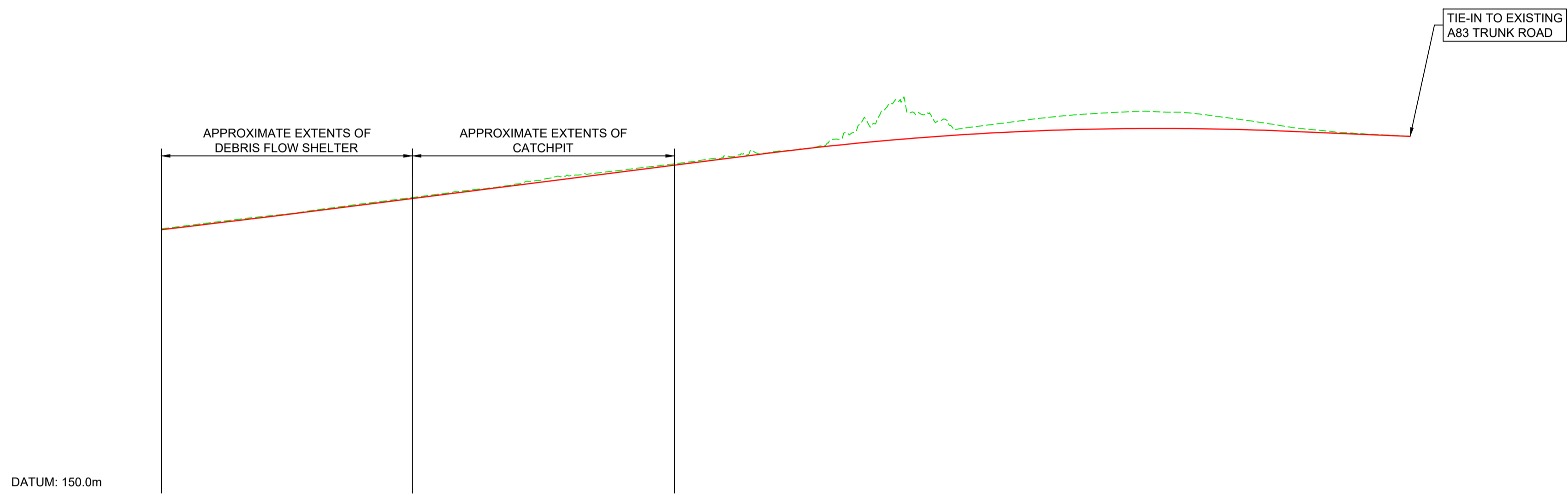
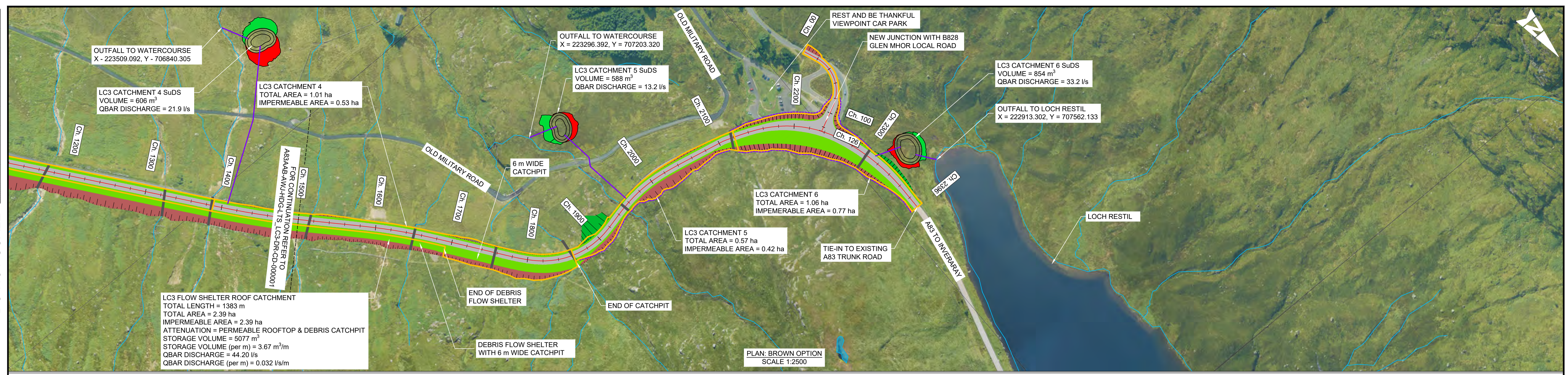
Drawing Number: **A83AAB - AWJ - HDG - LTS\_LC3 - DR-CD-000001**

Client: **TRANSPORT SCOTLAND**

Original Size: **A1** Scale: **AS SHOWN** Project Ref. No.: **6204594** Sheet: **1 of 2** Rev: **P01**



DO NOT SCALE

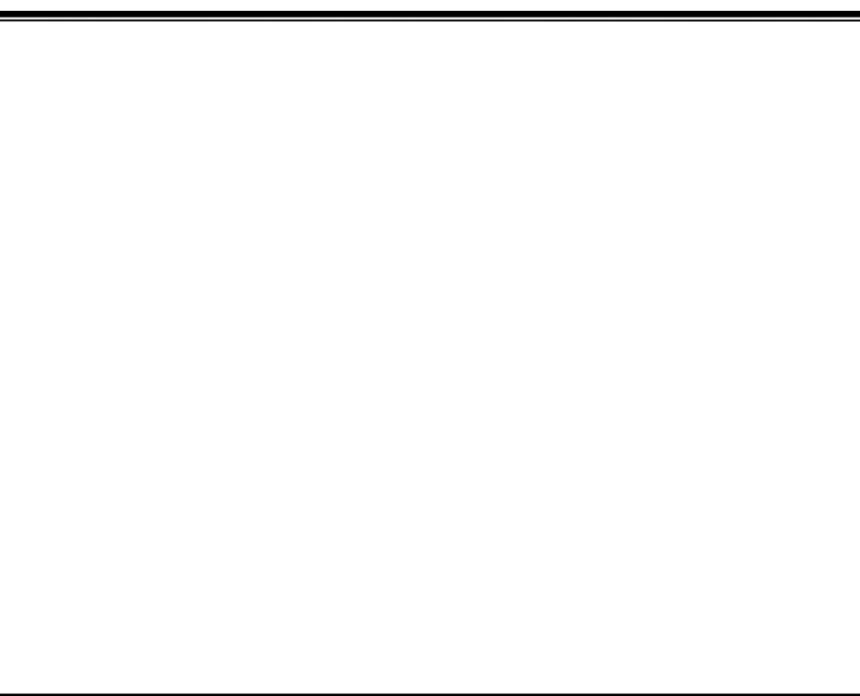
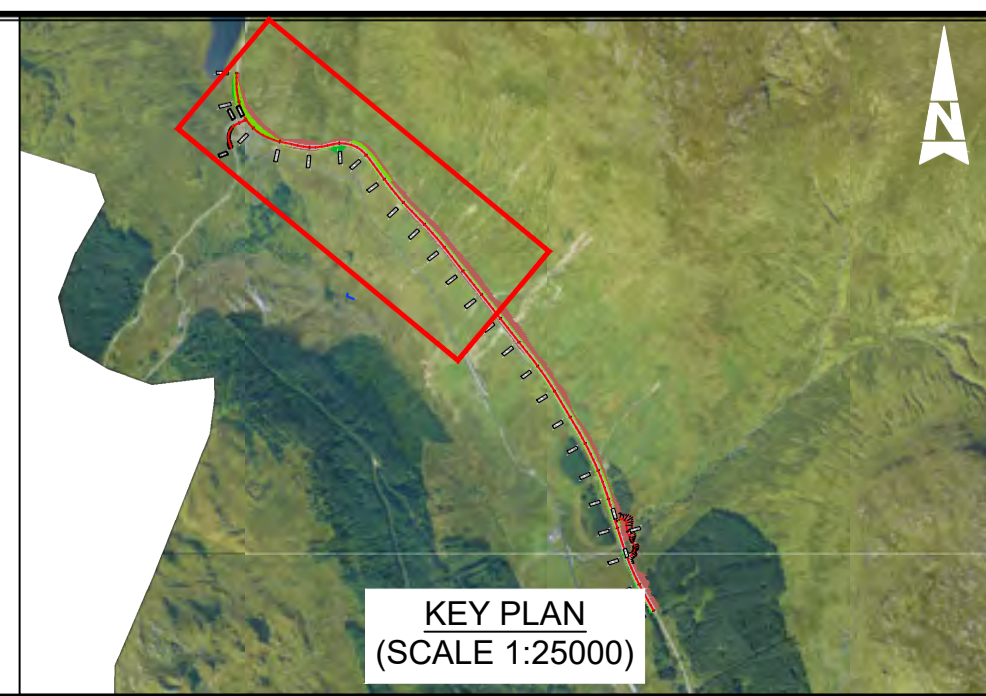


DATUM: 150.0m

CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS	LEVEL DIFFERENCE
1500.000	227.870	227.623	-0.247
1520.000	228.883	228.592	-0.290
1540.000	229.884	229.562	-0.331
1560.000	230.849	230.515	-0.334
1580.000	231.790	231.495	-0.295
1600.000	232.656	232.495	-0.160
1620.000	233.802	233.513	-0.289
1640.000	234.858	234.533	-0.325
1660.000	235.872	235.553	-0.319
1680.000	236.874	236.573	-0.301
1700.000	237.891	237.593	-0.298
1720.000	238.920	238.613	-0.307
1740.000	239.799	239.633	-0.166
1760.000	241.170	240.653	-0.517
1780.000	242.519	241.673	-0.846
1800.000	243.391	242.693	-0.698
1820.000	244.270	243.713	-0.557
1840.000	245.223	244.733	-0.490
1860.000	246.152	245.753	-0.399
1880.000	247.151	246.773	-0.378
1900.000	248.035	247.793	-0.242
1920.000	249.111	248.813	-0.298
1940.000	250.085	249.830	-0.254
1960.000	250.993	250.794	-0.189
1980.000	253.372	251.685	-1.688
2000.000	257.647	252.503	-5.145
2020.000	262.719	253.248	-9.471
2040.000	261.202	253.921	-7.281
2060.000	259.149	254.521	-4.628
2080.000	257.030	255.048	-1.982
2100.000	258.045	255.503	-2.542
2120.000	259.105	255.984	-3.221
2140.000	260.042	256.193	-3.848
2160.000	260.748	256.430	-4.318
2180.000	261.228	256.593	-4.635
2200.000	261.597	256.684	-4.903
2220.000	261.396	256.702	-4.694
2240.000	261.058	256.648	-4.410
2260.000	260.032	256.520	-3.512
2280.000	258.946	256.320	-2.626
2300.000	257.707	256.048	-1.660
2320.000	256.573	255.714	-0.859
2340.000	255.808	255.374	-0.434
2360.000	255.228	255.034	-0.194
2380.000	254.791	254.694	-0.096
2395.636	254.487	254.428	-0.058

PROFILE: BROWN OPTION  
SCALE: H 1:2500, V 1:1000

- NOTES:**
- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
  - ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.
  - DRAWING MUST BE PLOTTED/PRINTED IN COLOUR.
  - WATERCOURSES AND CROSSINGS ARE SHOWN AS ESTIMATED LOCATIONS. EXACT OUTFALLS TO BE DETERMINE AT NEXT STAGE.
- KEY - PLAN:**
- CATCHMENT EXTENTS
  - SuDS CUT EARTHWORKS
  - SuDS FILL EARTHWORKS
  - INDICATIVE CARRIER PIPE TO SuDS/OUTFALL
  - PRE-EARTHWORKS DRAINAGE
  - 200 YEAR+CC FLOOD PLAIN EXTENTS
  - INDICATIVE WATERCOURSE/PED CROSSING
  - WATERCOURSE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 2 Issue	S4	P01	AK	GL	PG	IA	23/05/23

Status: S4 Drawing Suitability: FOR STAGE APPROVAL

**ATKINS** **wsp**  
Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**  
COMHDAIL ALBA

Project Stage / Design File: DMRB Stage 2 State: Preliminary

Project Title: A83 AAB

Drawing Title: BROWN OPTION DRAINAGE PLAN AND PROFILE

Drawing Number: A83AAB - AWJ - HDG - LTS\_LC3 - DR-CD-000002

Client: TRANSPORT SCOTLAND

Location: A83 TO INVERARY

Original Size: A1 Scale: AS SHOWN Project Ref. No.: 6204594 Sheet: 2 of 2 Rev: P01



---

## Green Option

[A83AAB-AWJ-HDG-LTS LA0-DR-CD-000001 P01.pdf](#) – Drainage Plan and Profile – Sheet  
1 of 3

[A83AAB-AWJ-HDG-LTS LA0-DR-CD-000002 P01.pdf](#) – Drainage Plan and Profile – Sheet  
2 of 3

[A83AAB-AWJ-HDG-LTS LA0-DR-CD-000003 P01.pdf](#) – Drainage Plan and Profile – Sheet  
3 of 3



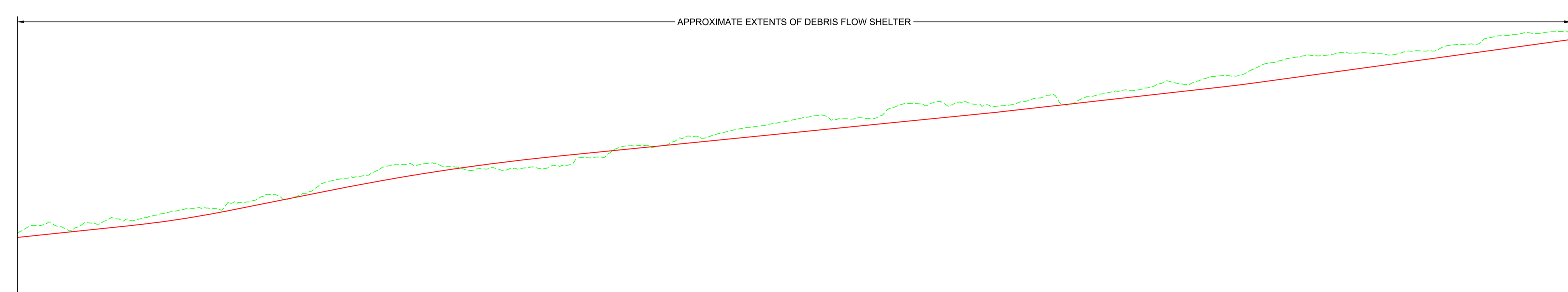
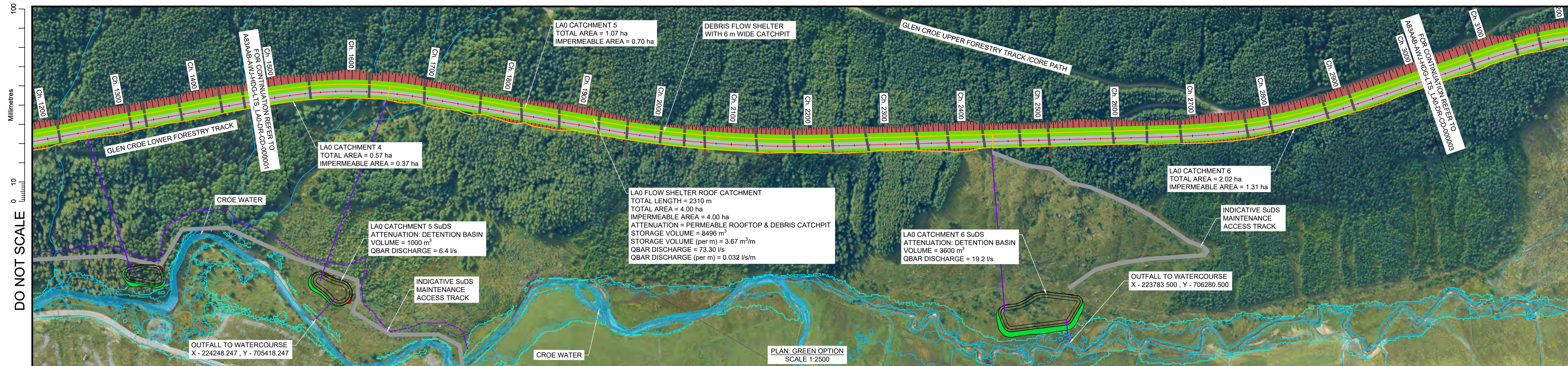
---

This page is blank.





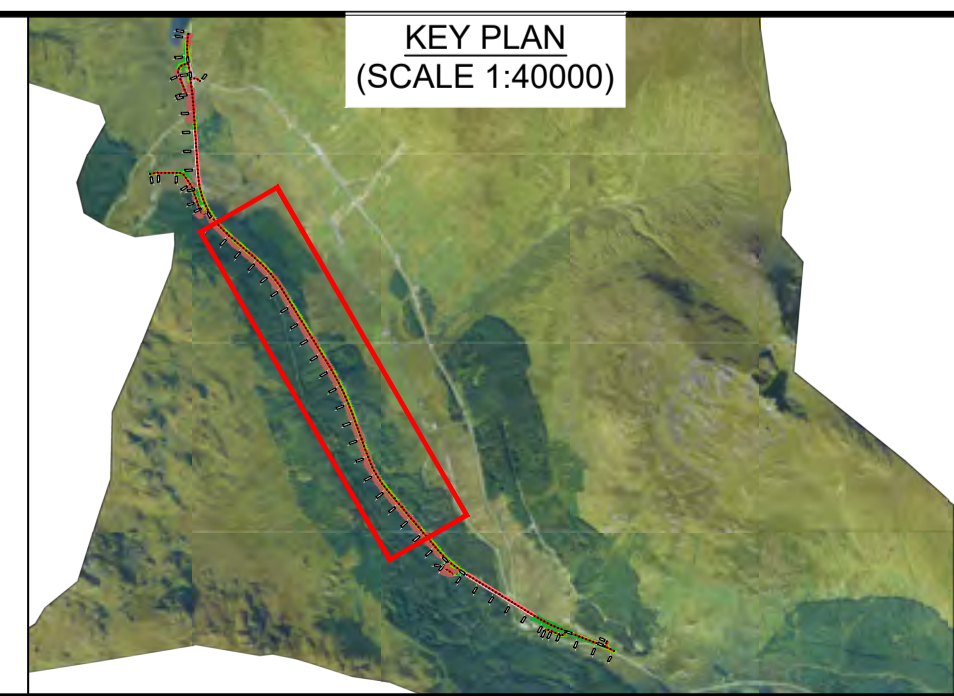




DATUM: 120.0m

CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS	LEVEL DIFFERENCE	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
1500.000	158.454	156.797	-1.657	L=111.00m	G=4.20% L=270.40m
1520.000	161.349	157.637	-3.712	R=510.00m L=69.94m	K=26.0 L=98.80m
1540.000	161.017	158.477	-2.540		
1560.000	161.203	158.317	-1.886	L=111.00m	G=8.00% L=97.03m
1580.000	162.243	160.157	-2.086		
1600.000	163.510	160.997	-2.513	D=167.96m	K=55.0 L=220.00m
1620.000	164.214	161.867	-2.347		
1640.000	165.991	162.881	-3.111	R=1440.00m L=240.46m	G=4.00% L=412.51m
1660.000	167.635	164.048	-3.588		
1680.000	168.321	165.369	-2.952	L=50.00m	K=26.0 L=13.00m
1700.000	168.722	166.844	-1.879		
1720.000	170.403	168.436	-1.967	D=390.96m	G=4.50% L=219.53m
1740.000	173.422	170.036	-3.385		
1760.000	171.429	171.636	0.207	L=100.00m	K=26.0 L=26.00m
1780.000	174.024	173.236	-0.788		
1800.000	178.447	174.836	-3.611	R=720.00m L=119.91m	G=5.50% L=347.42m
1820.000	179.830	176.411	-3.419		
1840.000	181.178	177.914	-3.265	L=100.00m	D=109.83m
1860.000	184.569	179.344	-5.225		
1880.000	185.288	180.701	-4.587		
1900.000	185.594	181.986	-3.608		
1920.000	184.136	183.198	-0.938		
1940.000	182.814	184.337	1.524		
1960.000	183.715	185.404	1.689		
1980.000	183.573	186.398	2.824		
2000.000	183.859	187.319	3.460		
2020.000	184.639	188.167	3.528		
2040.000	187.160	188.968	1.808		
2060.000	187.890	189.768	1.878		
2080.000	191.440	190.568	-0.872		
2100.000	192.402	191.368	-1.034		
2120.000	192.122	192.168	0.046		
2140.000	195.248	192.968	-2.280		
2160.000	195.265	193.768	-1.497		
2180.000	197.202	194.568	-2.634		
2200.000	199.011	195.368	-3.643		
2220.000	200.199	196.168	-4.031		
2240.000	201.519	196.968	-4.551		
2260.000	203.147	197.768	-5.379		
2280.000	203.822	198.568	-5.254		
2300.000	202.730	199.368	-3.362		
2320.000	202.848	200.168	-2.680		
2340.000	206.215	200.968	-5.247		
2360.000	208.626	201.768	-6.858		
2380.000	208.186	202.568	-5.619		
2400.000	207.689	203.368	-4.321		
2420.000	208.591	204.168	-4.423		
2440.000	207.451	204.971	-2.480		
2460.000	208.142	205.856	-2.286		
2480.000	210.321	206.756	-3.565		
2500.000	212.139	207.656	-4.482		
2520.000	208.675	208.556	-0.119		
2540.000	211.581	209.456	-2.125		
2560.000	213.404	210.356	-3.047		
2580.000	213.715	211.256	-2.459		
2600.000	215.859	212.156	-3.703		
2620.000	216.376	213.056	-3.320		
2640.000	217.298	213.956	-3.343		
2660.000	219.247	214.856	-4.391		
2680.000	219.510	215.763	-3.727		
2700.000	223.177	216.843	-6.334		
2720.000	225.251	217.943	-7.308		
2740.000	226.922	219.043	-7.879		
2760.000	227.052	220.143	-6.909		
2780.000	228.387	221.243	-7.144		
2800.000	228.247	222.343	-5.904		
2820.000	227.698	223.443	-4.255		
2840.000	228.707	224.543	-4.164		
2860.000	228.867	225.643	-3.224		
2880.000	230.903	226.743	-4.160		
2900.000	231.543	227.843	-3.700		
2920.000	233.924	228.943	-4.981		
2940.000	234.973	230.043	-4.930		
2960.000	235.929	231.143	-4.786		
2980.000	236.509	232.243	-4.266		
3000.000	235.804	233.343	-2.461		

PROFILE: GREEN OPTION  
SCALE: H 1:2500, V 1:1000



- NOTES:**
- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
  - ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.
  - DRAWING MUST BE PLOTTED/PRINTED IN COLOUR.
  - WATERCOURSES AND CROSSINGS ARE SHOWN AS ESTIMATED LOCATIONS. EXACT OUTFALLS TO BE DETERMINE AT NEXT STAGE.
- KEY - PLAN:**
- CATCHMENT EXTENTS
  - SuDS CUT EARTHWORKS
  - SuDS FILL EARTHWORKS
  - INDICATIVE CARRIER PIPE TO SuDS/OUTFALL
  - PRE-EARTHWORKS DRAINAGE
  - 200 YEAR+CC FLOOD PLAIN EXTENTS
  - 30 YEAR FLOOD PLAIN EXTENTS
  - INDICATIVE WATERCOURSE/PED CROSSING
  - WATERCOURSE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 2 Issue	S4	P01	GL	RD	PG	IA	23/05/23

Status: S4  
Drawing Suitability: FOR STAGE APPROVAL

**ATKINS** **wsp**  
Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**  
COMHDAIL ALBA

Project Stage / Design File: DMRB Stage 2  
State: Preliminary

Project Title: A83 AAB

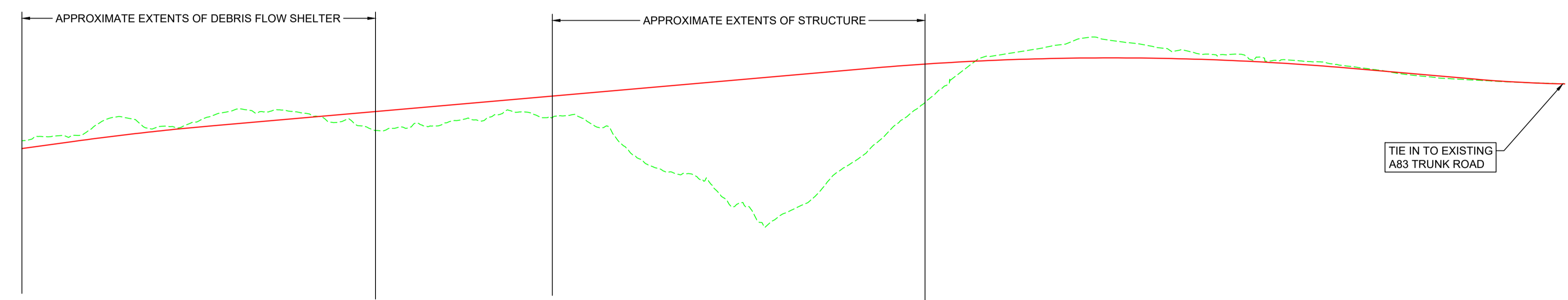
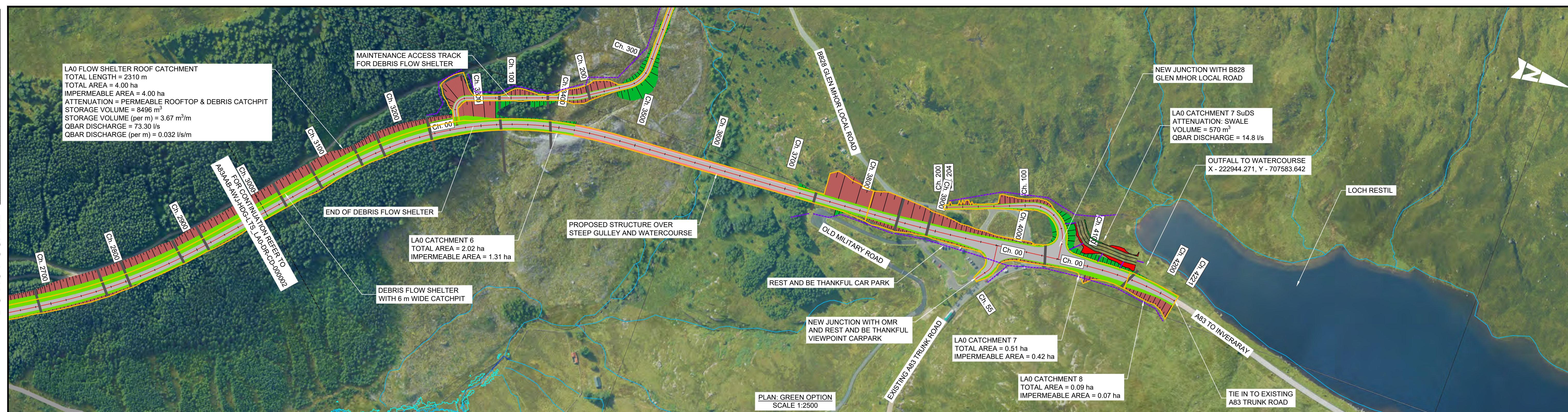
Drawing Title: GREEN OPTION DRAINAGE PLAN AND PROFILE

Drawing Number: A83AAB - AWJ - HDG - LTS\_LA0  
Originator: DR-CD-000002

Original Size: A1  
Scale: AS SHOWN  
Project Ref. No.: 5204594  
Sheet: 2 of 3  
Rev: P01



DO NOT SCALE



DATUM: 180.0m

CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS	LEVEL DIFFERENCE	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
3000.000	235.804	233.343	-2.461	D=109.83m	G=5.50% L=347.42m
3020.000	237.092	234.443	-2.649		
3040.000	237.415	235.543	-1.872	L=102.00m	K=55.0 L=110.00m
3060.000	241.110	236.613	-4.498		
3100.000	243.313	237.610	-5.703	R=430.00m L=237.30m	G=3.50% L=517.63m
3120.000	239.735	238.535	-1.200		
3140.000	240.245	239.386	-0.859	D=311.18m	K=55.0 L=385.00m
3160.000	242.066	240.166	-1.900		
3180.000	244.787	240.878	-3.909	R=2040.00m L=124.47m	G=-3.50% L=96.07m
3200.000	245.503	241.578	-3.925		
3220.000	245.581	242.278	-3.303	D=106.78m	K=26.0 L=65.00m
3240.000	244.767	242.878	-1.789		
3260.000	242.725	243.678	0.954	R=380.00m L=55.47m	G=-1.00% L=15.61m
3280.000	242.458	244.378	1.920		
3300.000	239.086	245.078	6.012	L=102.00m	
3320.000	240.245	245.778	5.534		
3340.000	240.425	246.478	6.053	D=311.18m	
3360.000	242.014	247.178	5.164		
3380.000	242.402	247.878	5.476	R=2040.00m L=124.47m	
3400.000	244.381	248.578	4.197		
3420.000	244.870	249.278	4.408	D=106.78m	
3440.000	243.197	249.978	6.781		
3460.000	243.597	250.678	7.081	R=380.00m L=55.47m	
3480.000	239.950	251.378	11.428		
3500.000	232.930	252.078	19.148	L=102.00m	
3520.000	227.508	252.778	25.270		
3540.000	225.004	253.478	28.307	D=311.18m	
3560.000	215.622	254.178	31.175		
3580.000	212.183	254.878	39.256	R=2040.00m L=124.47m	
3600.000	212.028	255.578	43.395		
3620.000	215.822	256.278	44.250	D=106.78m	
3640.000	215.822	256.978	41.156		
3660.000	223.789	257.678	33.889	R=380.00m L=55.47m	
3680.000	229.476	258.378	28.902		
3700.000	236.231	259.078	22.837	L=102.00m	
3720.000	243.277	259.778	16.416		
3740.000	249.650	260.478	10.596	D=311.18m	
3760.000	256.508	261.178	4.217		
3780.000	262.182	261.878	-1.051	R=2040.00m L=124.47m	
3800.000	263.392	261.466	-1.926		
3820.000	264.683	261.727	-2.956	D=106.78m	
3840.000	266.159	261.916	-4.244		
3860.000	268.330	262.032	-6.298	R=380.00m L=55.47m	
3880.000	267.746	262.075	-5.671		
3900.000	266.733	262.046	-4.688	L=102.00m	
3920.000	265.284	261.945	-3.341		
3940.000	264.503	261.768	-2.734	D=311.18m	
3960.000	263.270	261.521	-1.749		
3980.000	263.267	261.200	-2.066	R=2040.00m L=124.47m	
4000.000	262.355	260.807	-1.548		
4020.000	261.500	260.341	-1.159	D=106.78m	
4040.000	260.893	259.803	-1.091		
4060.000	260.011	259.191	-0.820	R=380.00m L=55.47m	
4080.000	258.925	258.510	-0.414		
4100.000	257.851	257.810	-0.041	L=102.00m	
4120.000	256.643	257.110	0.467		
4140.000	255.801	256.410	0.609	D=311.18m	
4160.000	255.280	255.710	0.430		
4180.000	254.832	255.028	0.195	R=2040.00m L=124.47m	
4200.000	254.414	254.478	0.064		
4220.000	254.128	254.082	-0.046	D=106.78m	
4221.544	253.871	253.636	-0.035		
4221.544	253.850	253.621	-0.029		

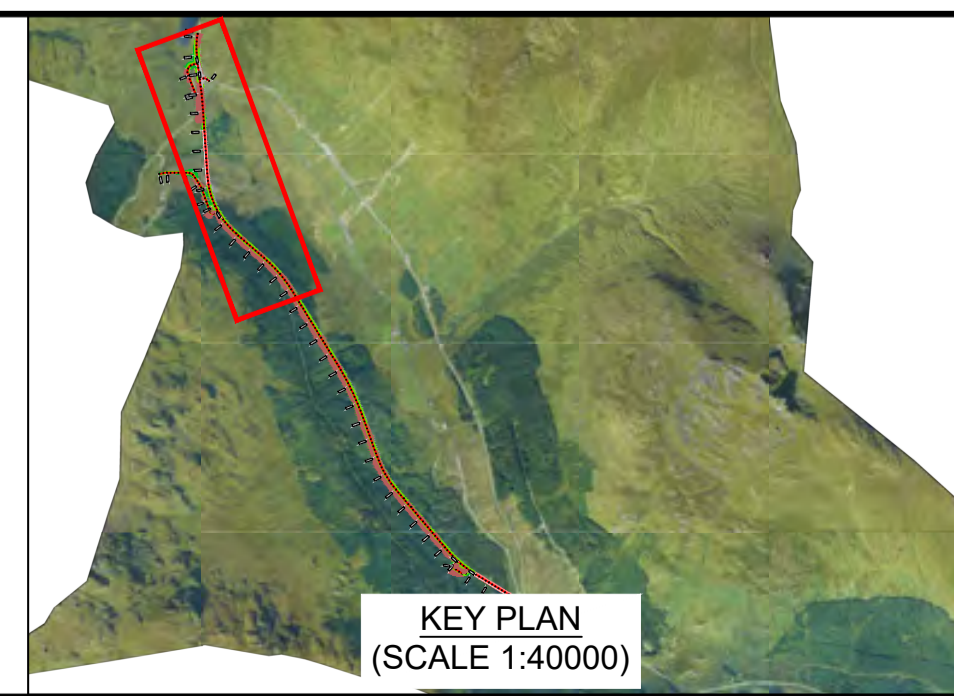
PROFILE: GREEN OPTION  
SCALE: H 1:2500, V 1:1000

**NOTES:**

- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.
- DRAWING MUST BE PLOTTED/PRINTED IN COLOUR
- WATERCOURSES AND CROSSINGS ARE SHOWN AS ESTIMATED LOCATIONS. EXACT OUTFALLS TO BE DETERMINE AT NEXT STAGE.

**KEY - PLAN:**

- CATCHMENT EXTENTS
- SuDS CUT EARTHWORKS
- SuDS FILL EARTHWORKS
- INDICATIVE CARRIER PIPE TO SuDS/OUTFALL
- PRE-EARTHWORKS DRAINAGE
- 200 YEAR+CC FLOOD PLAIN EXTENTS
- 30 YEAR FLOOD PLAIN EXTENTS
- INDICATIVE WATERCOURSE/PED CROSSING
- WATERCOURSE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
	S4	P01	GL	RD	PG	IA	23/05/23

**ATKINS** *wsp*  
Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**  
COMHDAIL ALBA

Project Stage / Design File	DMRB Stage 2	Status	Preliminary
Project Title	A83 AAB		
Drawing Title	GREEN OPTION DRAINAGE PLAN AND PROFILE		
Drawing Number	A83AAB - AWJ - HDG - LTS_LA0 - DR-CD-000003	Originator	Volume
Location	Type	Role	Number
Original Size: A1	Scale: AS SHOWN	Project Ref. No.: 6204594	Sheet: 3 of 3 Rev: P01



---

This page is blank.



---

## Purple Option

[A83AAB-AWJ-HDG-LTS\\_LD1-DR-CD-000001\\_P01.pdf](#) – Drainage Plan and Profile – Sheet  
1 of 3

[A83AAB-AWJ-HDG-LTS\\_LD1-DR-CD-000002\\_P01.pdf](#) – Drainage Plan and Profile – Sheet  
2 of 3

[A83AAB-AWJ-HDG-LTS\\_LD1-DR-CD-000003\\_P01.pdf](#) – Drainage Plan and Profile – Sheet  
3 of 3

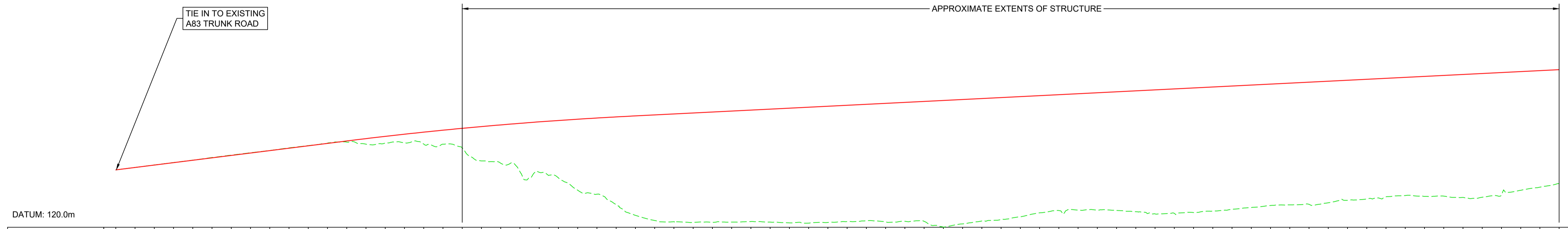
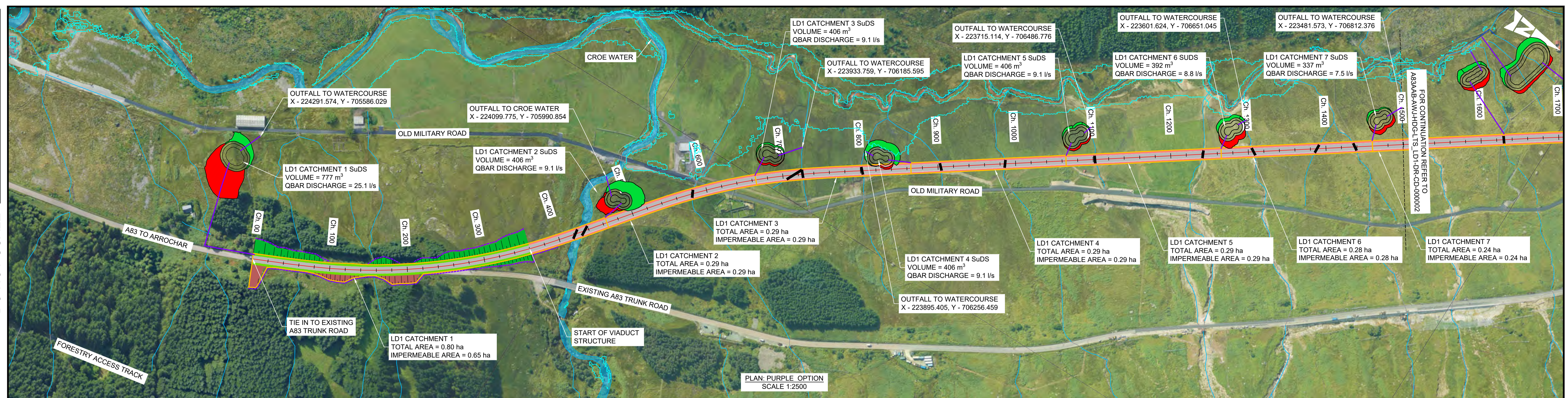


---

This page is blank.



DO NOT SCALE



CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS	LEVEL DIFFERENCE	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
0.000	143.830	143.830	0.000	D=8.74m	G=5.00% L=236.25m
20.000	144.827	144.830	0.003	L=100.00m	
40.000	145.853	145.830	-0.024	R=720.00m L=250.18m	K=100.0 L=300.00m
60.000	146.875	146.830	-0.045		
80.000	147.860	147.830	-0.030	L=100.00m	D=21.87m
100.000	148.950	148.830	-0.120		
120.000	149.943	149.830	-0.113	L=100.00m	R=720.00m L=114.55m
140.000	150.934	150.830	-0.105		
160.000	151.865	151.830	-0.035	D=867.89m	G=2.00% L=1444.75m
180.000	152.941	152.830	-0.112		
200.000	153.894	153.830	-0.064		
220.000	154.931	154.830	-0.101		
240.000	155.954	155.825	0.475		
260.000	154.493	156.802	2.308		
280.000	154.919	157.734	2.815		
300.000	155.077	158.627	3.549		
320.000	154.531	159.479	4.949		
340.000	154.483	160.292	5.808		
360.000	152.937	161.064	8.127		
380.000	147.551	161.797	14.246		
400.000	146.601	162.489	15.889		
420.000	143.055	163.142	20.087		
440.000	142.828	163.754	20.926		
460.000	140.493	164.327	23.834		
480.000	135.386	164.859	29.473		
500.000	133.724	165.352	31.628		
520.000	129.462	165.804	36.342		
540.000	124.935	166.217	41.283		
560.000	122.790	166.617	43.827		
580.000	122.314	167.017	44.704		
600.000	122.013	167.417	45.404		
620.000	122.059	167.817	45.758		
640.000	122.151	168.217	46.066		
660.000	122.382	168.617	46.236		
680.000	122.133	169.017	46.884		
700.000	121.812	169.417	47.605		
720.000	121.713	169.817	48.104		
740.000	122.003	170.217	48.214		
760.000	122.364	170.617	48.253		
780.000	122.726	171.017	48.292		
800.000	122.269	171.417	49.149		
820.000	122.486	171.817	49.351		
840.000	122.458	172.217	49.759		
860.000	120.087	172.617	52.530		
880.000	121.405	173.017	51.612		
900.000	122.603	173.417	50.815		
920.000	123.236	173.817	50.581		
940.000	124.380	174.217	49.837		
960.000	125.982	174.617	48.635		
980.000	126.948	175.017	48.069		
1000.000	127.123	175.417	48.294		
1020.000	127.084	175.817	48.733		
1040.000	126.984	176.217	49.233		
1060.000	126.463	176.617	50.155		
1080.000	125.545	177.017	51.473		
1100.000	125.775	177.417	51.642		
1120.000	126.094	177.817	51.724		
1140.000	126.675	178.217	51.542		
1160.000	127.419	178.617	51.199		
1180.000	128.211	179.017	50.806		
1200.000	129.039	179.417	50.378		
1220.000	129.292	179.817	50.525		
1240.000	129.524	180.217	50.694		
1260.000	130.162	180.617	50.455		
1280.000	131.158	181.017	49.859		
1300.000	131.755	181.417	49.662		
1320.000	132.663	181.817	49.155		
1340.000	133.177	182.217	49.040		
1360.000	132.820	182.617	49.798		
1380.000	132.918	183.017	50.099		
1400.000	132.377	183.417	51.041		
1420.000	132.458	183.817	51.359		
1440.000	133.387	184.217	50.831		
1460.000	135.350	184.617	49.268		
1480.000	136.634	185.017	48.363		
1500.000	138.125	185.417	47.282		

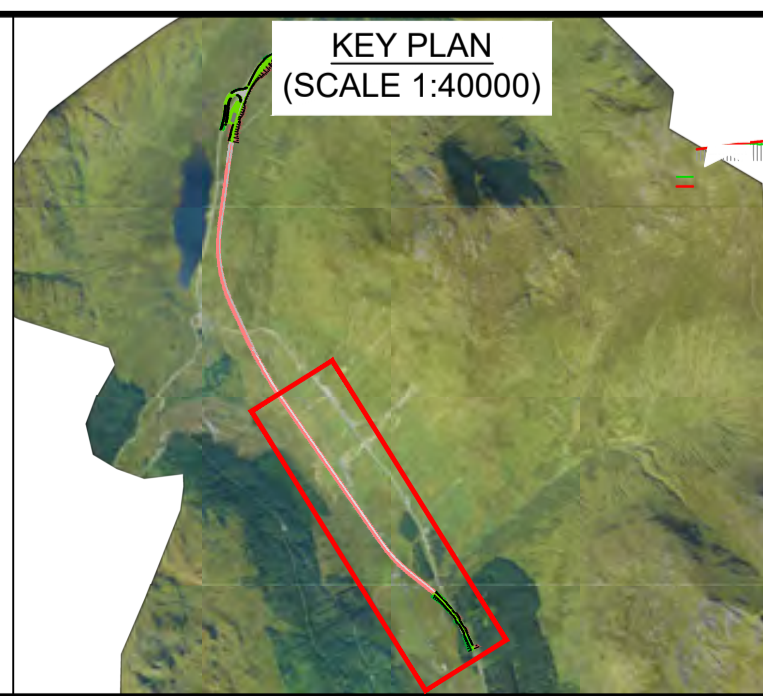
PROFILE: PURPLE OPTION  
SCALE: H 1:2500, V 1:1000

**NOTES:**

- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.
- DRAWING MUST BE PLOTTED/PRINTED IN COLOUR.
- WATERCOURSES AND CROSSINGS ARE SHOWN AS ESTIMATED LOCATIONS. EXACT OUTFALLS TO BE DETERMINE AT NEXT STAGE.

**KEY - PLAN:**

- CATCHMENT EXTENTS
- SuDS CUT EARTHWORKS
- SuDS FILL EARTHWORKS
- INDICATIVE CARRIER PIPE TO SuDS/OUTFALL
- PRE-EARTHWORKS DRAINAGE
- 200 YEAR+CC FLOOD PLAIN EXTENTS
- INDICATIVE WATERCOURSE/PED CROSSING
- WATERCOURSE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 2 Issue	S4	P01	AK	GL	PG	IA	23/05/23

**ATKINS** **wsp**  
Member of the SNC-Lavalin Group

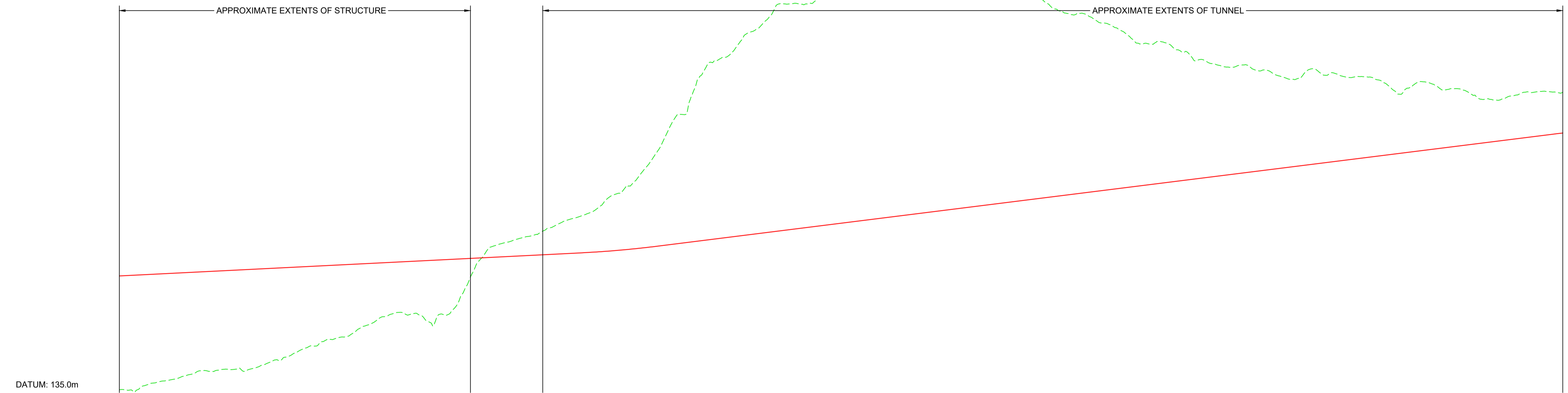
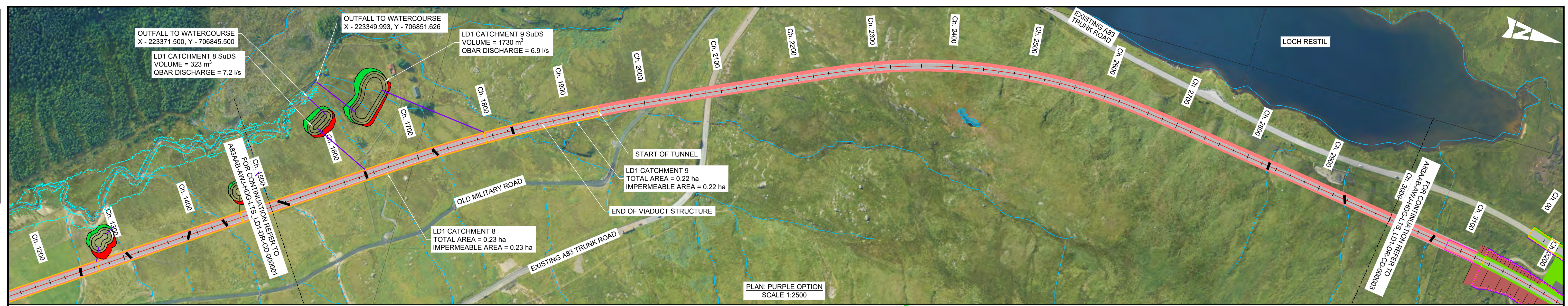
**TRANSPORT SCOTLAND**  
COMHDAIL ALBA

Project Stage / Design File	DMRB Stage 2	Status	Preliminary
Project Title	A83 AAB		
Drawing Title	PURPLE OPTION DRAINAGE PLAN AND PROFILE		
Drawing Number	A83AAB - AWJ - HDG - LTS_LD1	Originator	Volume
Location	DR-CD-000001	Type	Number
Original Size	A1	Scale	AS SHOWN
Project Ref. No.	5204594	Sheet	1 of 3
Rev.	P01		



DO NOT SCALE

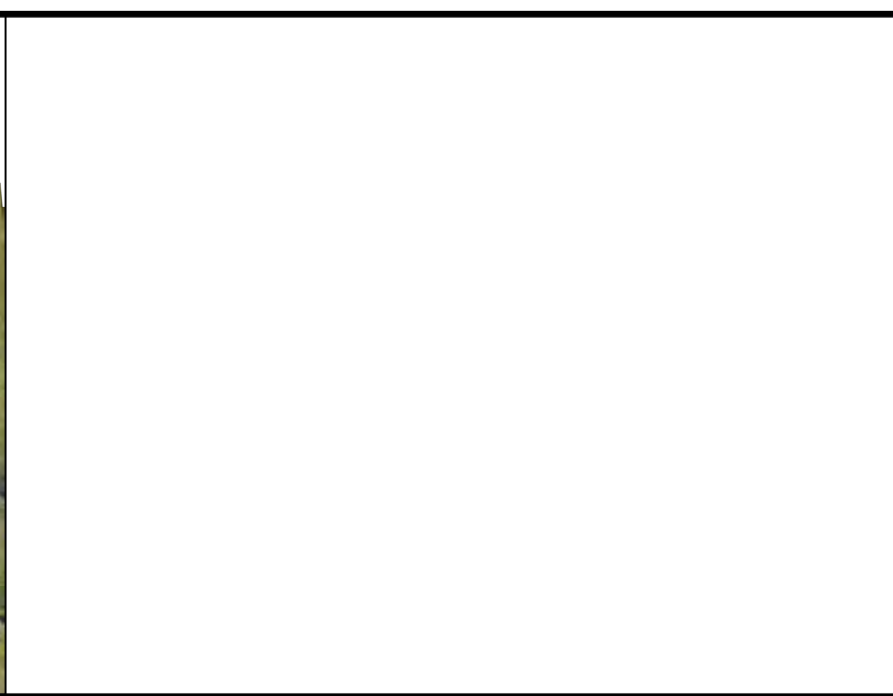
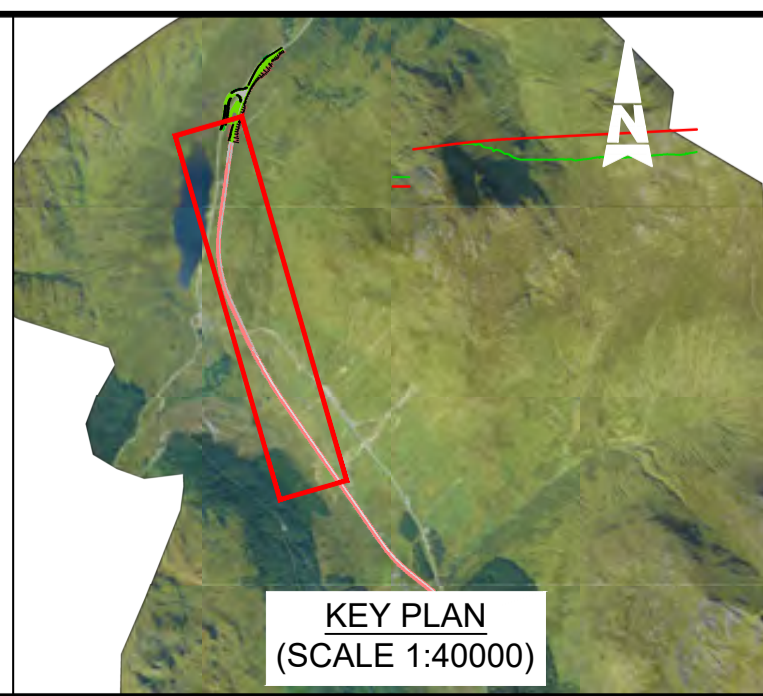
100  
0 10  
Millimetres



CHAINAGE	1500.000	1520.000	1540.000	1560.000	1580.000	1600.000	1620.000	1640.000	1660.000	1680.000	1700.000	1720.000	1740.000	1760.000	1780.000	1800.000	1820.000	1840.000	1860.000	1880.000	1900.000	1920.000	1940.000	1960.000	1980.000	2000.000	2020.000	2040.000	2060.000	2080.000	2100.000	2120.000	2140.000	2160.000	2180.000	2200.000	2220.000	2240.000	2260.000	2280.000	2300.000	2320.000	2340.000	2360.000	2380.000	2400.000	2420.000	2440.000	2460.000	2480.000	2500.000	2520.000	2540.000	2560.000	2580.000	2600.000	2620.000	2640.000	2660.000	2680.000	2700.000	2720.000	2740.000	2760.000	2780.000	2800.000	2820.000	2840.000	2860.000	2880.000	2900.000	2920.000	2940.000	2960.000	2980.000	3000.000
EXISTING LEVELS	138.125	138.278	141.217	142.771	145.429	146.090	146.580	147.035	150.238	152.901	156.358	159.028	160.906	165.231	169.119	169.163	169.115	169.115	169.726	194.744	199.184	201.416	204.054	207.739	210.352	214.495	219.786	226.858	237.680	252.414	265.949	274.917	279.897	287.394	295.666	298.586	298.643	302.536	305.447	309.329	312.645	316.384	321.069	316.286	315.565	311.757	309.068	305.479	299.904	295.193	294.612	290.559	287.580	281.898	282.945	279.403	274.980	273.234	272.406	271.068	269.366	267.152	271.553	269.890	267.826	266.078	264.048	263.491	265.837	262.882	262.164	258.907	259.271	261.758	262.185	261.714
PROPOSED LEVELS	185.417	185.817	186.217	186.617	187.017	187.417	187.817	188.217	188.617	189.017	189.417	189.817	190.217	190.617	191.017	191.417	191.817	192.217	192.617	193.017	193.417	193.817	194.217	194.617	195.017	195.487	196.110	196.887	197.817	198.817	199.817	200.817	201.817	202.817	203.817	204.817	205.817	206.817	207.817	208.817	209.817	210.817	211.817	212.817	213.817	214.817	215.817	216.817	217.817	218.817	219.817	220.817	221.817	222.817	223.817	224.817	225.817	226.817	227.817	228.817	229.817	230.817	231.817	232.817	233.817	234.817	235.817	236.817	237.817	238.817	239.817	240.817	241.817	242.817	243.817	244.806
LEVEL DIFFERENCE	47.292	47.539	45.000	43.847	41.588	41.328	41.237	41.183	38.379	36.116	33.059	30.790	29.311	25.386	21.899	22.255	25.198	23.102	11.891	-1.726	-5.766	-7.599	-9.837	-13.122	-15.334	-19.009	-23.676	-29.971	-39.863	-53.597	-66.131	-74.089	-78.079	-84.577	-91.849	-93.768	-92.825	-95.719	-97.629	-100.511	-102.828	-107.567	-109.252	-105.469	-99.747	-96.940	-93.251	-88.661	-82.086	-76.375	-74.794	-69.741	-65.762	-59.081	-58.128	-54.586	-49.163	-46.417	-44.588	-42.251	-39.548	-36.334	-39.735	-37.073	-34.008	-33.261	-28.230	-26.674	-28.019	-24.065	-22.346	-18.089	-17.453	-18.941	-16.367	-16.909
HORIZONTAL ALIGNMENT											R=2040.00m L=343.49m										D=190.32m										L=100.00m										R=720.00m L=313.49m										L=100.00m										D=352.10m															
VERTICAL ALIGNMENT	G=2.00% L=1444.75m										K=26.0 L=78.00m										G=5.00% L=929.62m																				K=55.0 L=572.00m																																			

PROFILE: PURPLE OPTION  
SCALE: H 1:2500, V 1:1000

- NOTES:**
- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
  - ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.
  - DRAWING MUST BE PLOTTED/PRINTED IN COLOUR.
  - WATERCOURSES AND CROSSINGS ARE SHOWN AS ESTIMATED LOCATIONS. EXACT OUTFALLS TO BE DETERMINE AT NEXT STAGE.
- KEY - PLAN:**
- CATCHMENT EXTENTS
  - SuDS CUT EARTHWORKS
  - SuDS FILL EARTHWORKS
  - INDICATIVE CARRIER PIPE TO SuDS/OUTFALL
  - PRE-EARTHWORKS DRAINAGE
  - 200 YEAR+CC FLOOD PLAIN EXTENTS
  - INDICATIVE WATERCOURSE/PED CROSSING
  - WATERCOURSE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 2 Issue	S4	P01	AK	GL	PG	IA	23/05/23

Status: S4 Drawing Suitability: FOR STAGE APPROVAL

**ATKINS** *wsp*  
Member of the SNC-Lavalin Group

**TRANSPORT SCOTLAND**  
COMHDAIL ALBA

Project Stage / Design File: DMRB Stage 2 State: Preliminary

Project Title: A83 AAB

Drawing Title: PURPLE OPTION DRAINAGE PLAN AND PROFILE

Drawing Number: A83AAB - AWJ - HDG - LTS\_LD1 - DR-CD-000002

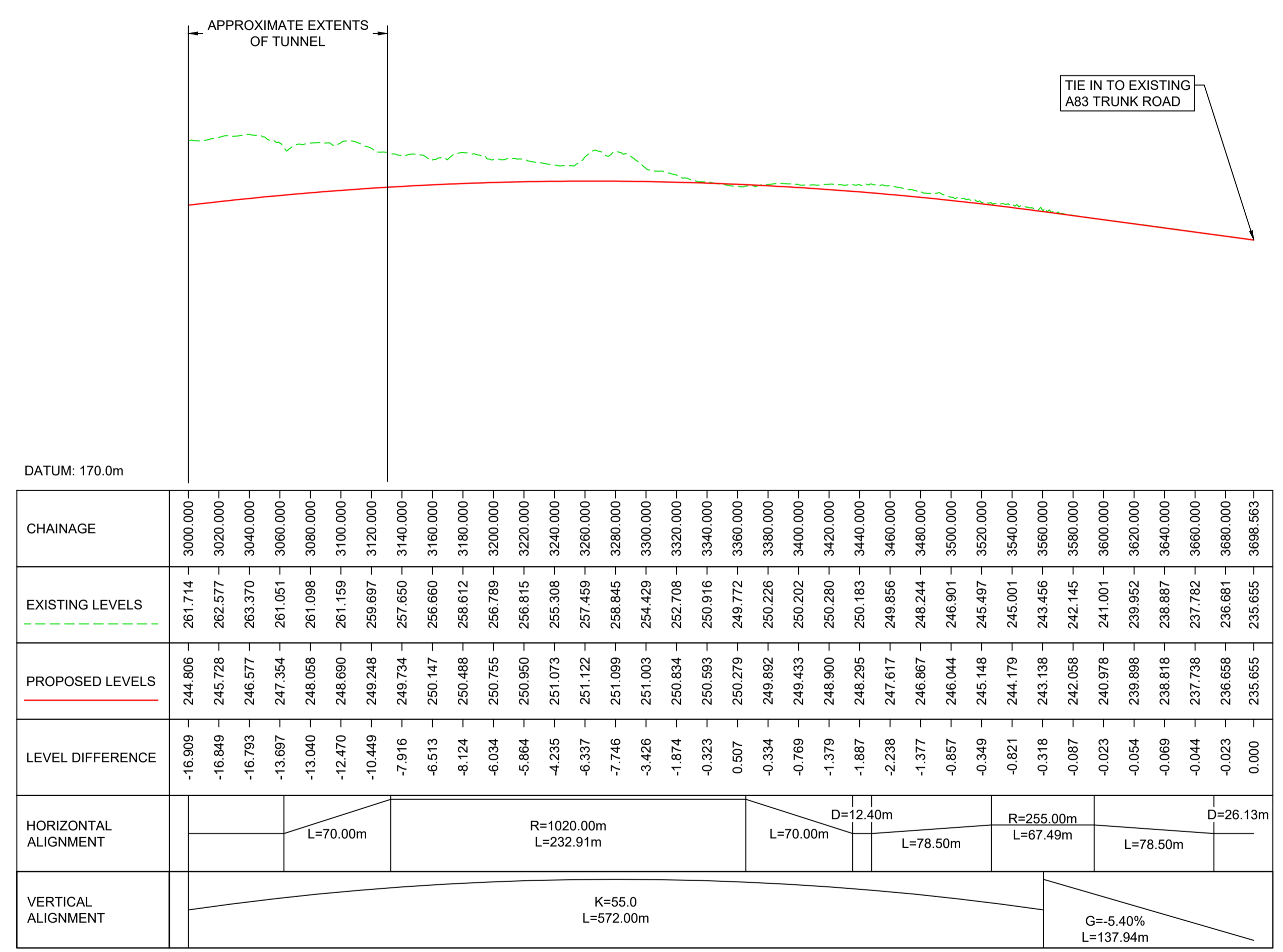
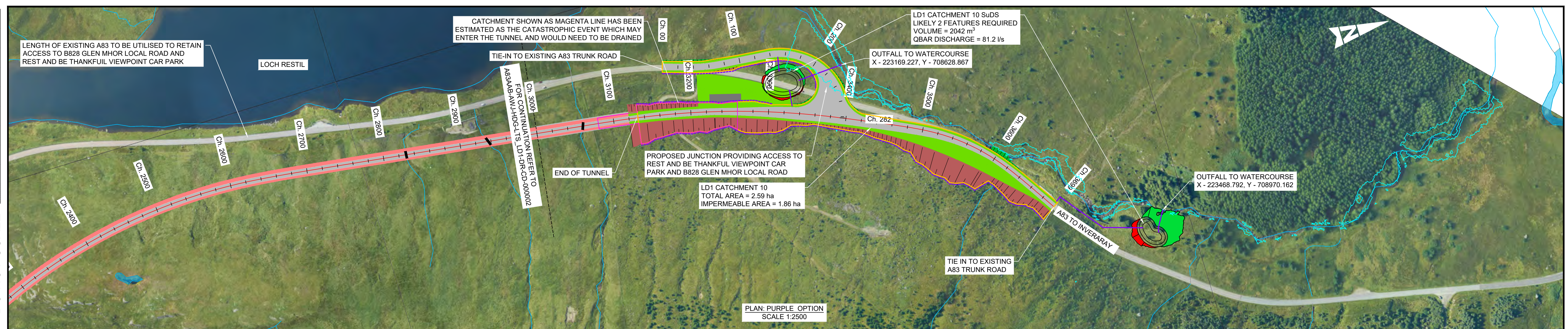
Originator: I Volume: I

Location: A83AAB - AWJ - HDG - LTS\_LD1 - DR-CD-000002

Original Size: A1 Scale: AS SHOWN Project Ref. No.: 5204594 Sheet: 2 of 3 Rev: P01



DO NOT SCALE



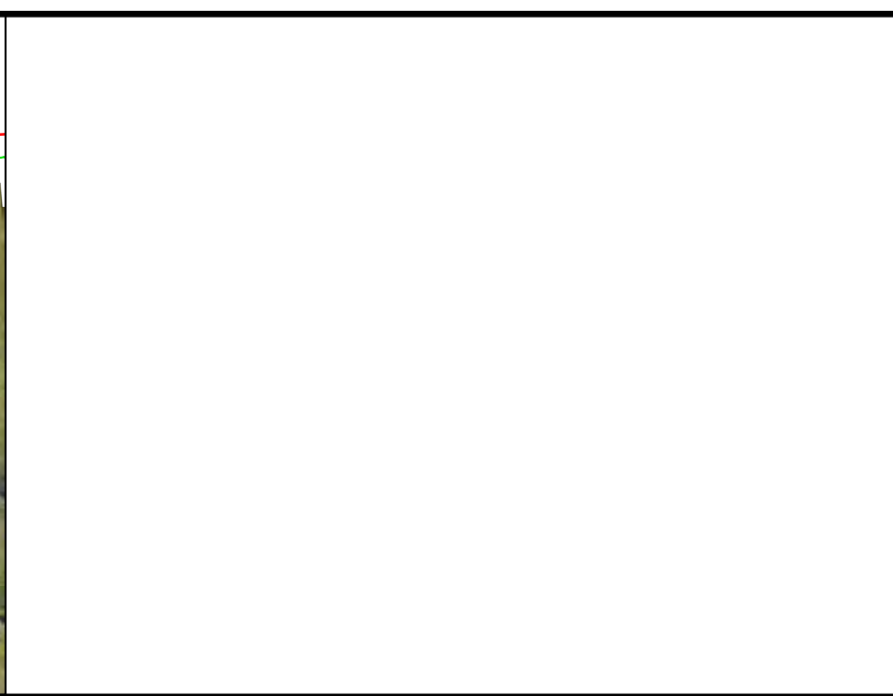
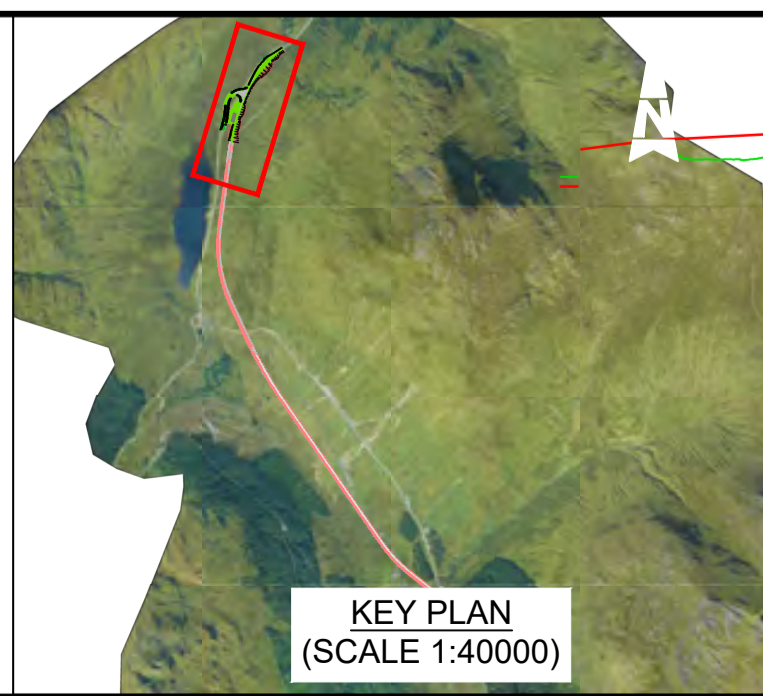
PROFILE: PURPLE OPTION  
SCALE: H 1:2500, V 1:1000

**NOTES:**

- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- ALL DESIGNS ARE PRELIMINARY AND HAVE BEEN DEVELOPED FOR COMPARATIVE ASSESSMENT PURPOSES AT DMRB STAGE 2 ONLY.
- DRAWING MUST BE PLOTTED/PRINTED IN COLOUR
- WATERCOURSES AND CROSSINGS ARE SHOWN AS ESTIMATED LOCATIONS. EXACT OUTFALLS TO BE DETERMINE AT NEXT STAGE.

**KEY - PLAN:**

- CATCHMENT EXTENTS
- SuDS CUT EARTHWORKS
- SuDS FILL EARTHWORKS
- INDICATIVE CARRIER PIPE TO SuDS/OUTFALL
- PRE-EARTHWORKS DRAINAGE
- 200 YEAR+CC FLOOD PLAIN EXTENTS
- INDICATIVE WATERCOURSE/PED CROSSING
- WATERCOURSE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 2 Issue	S4	P01	AK	GL	PG	IA	23/05/23

Status: S4 FOR STAGE APPROVAL

ATKINS **wsp**  
Member of the SNC-Lavalin Group

TRANSPORT SCOTLAND  
COMHDAIL ALBA

Project Stage / Design File	DMRB Stage 2	State	Preliminary
Project Title	A83 AAB		
Drawing Title	PURPLE OPTION DRAINAGE PLAN AND PROFILE		
Drawing Number	A83AAB - AWJ - HDG - LTS_LD1	Originator	Volume
Project	DR-CD-000003	Role	Number
Location		Type	
Original Size	A1	Scale	AS SHOWN
Project Ref. No.	6204594	Sheet	3 of 3
Rev.	P01		



---

This page is blank.



---

## Pink Option

[A83AAB-AWJ-HDG-LTS\\_LEA-DR-CD-000001\\_P01.pdf](#) – Drainage Plan and Profile – Sheet  
1 of 3

[A83AAB-AWJ-HDG-LTS\\_LEA-DR-CD-000002\\_P01.pdf](#) – Drainage Plan and Profile – Sheet  
2 of 3

[A83AAB-AWJ-HDG-LTS\\_LEA-DR-CD-000003\\_P01.pdf](#) – Drainage Plan and Profile – Sheet  
3 of 3



---

This page is blank.