DO NOT SCALE

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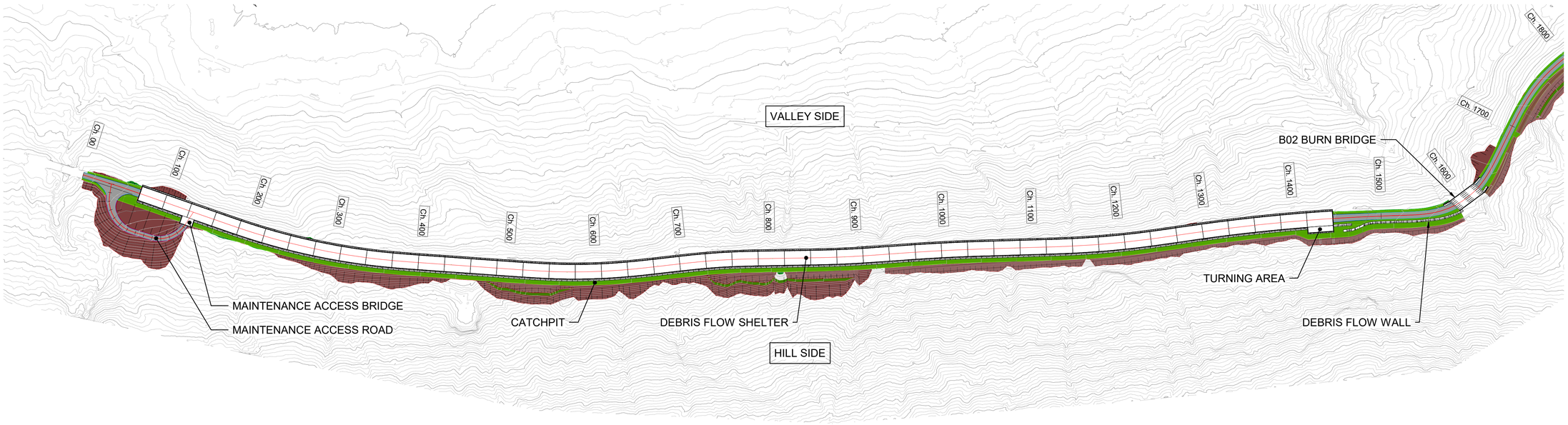
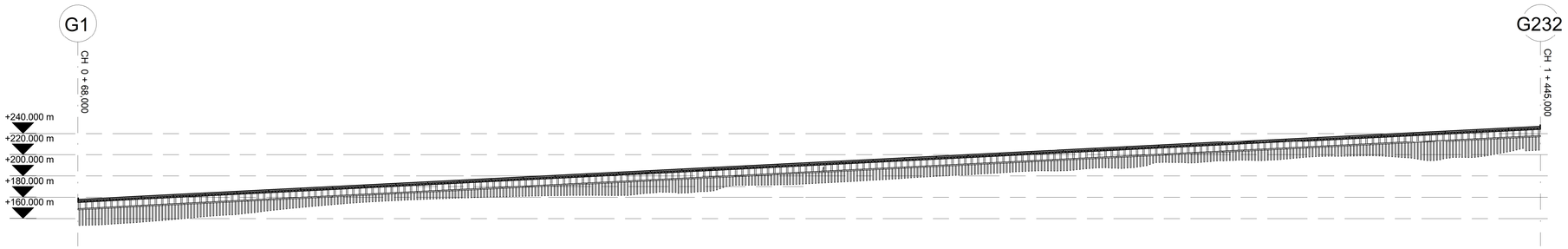


GENERAL ARRANGEMENT

SCALE 1 : 2500



ELEVATION ON CONTROL LINE LOOKING TO VALLEY SIDE

SCALE 1 : 2500

Scale 1:2500

50m 0m 50m 100m 150m

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NOTES:

1. PILE LENGTH, DIAMETER AND SPACING ARE INDICATIVE UNTIL GI IS AVAILABLE.
2. A83 CULVERTS EXCLUDED FOR CLARITY.
3. THE VERTICAL COLUMNS ARE SHOWN INDICATIVELY AT THIS STAGE.
4. PLEASE REFER TO THE GEOTECHNICAL SECTION OF THE STAGE 3 REPORT FOR INFORMATION RELATED TO THE CATCH PIT AND DEBRIS FLOW AND ROCKFALL PROTECTION MEASURES.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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

Maintenance / Cleaning

Use

Decommissioning / Demolition

Description:	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
FOR EIA REPORT	A3	C01	JH	DG	CG	CM	06/12/2024

Status: A3

Drawing Suitability: AUTHORISED & ACCEPTED - STAGE 3

AtkinsRéalis wsp

Client: TRANSPORT SCOTLAND COMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3

State: Preliminary

Project Title: A83 Rest and Be Thankful

Drawing Title: FIGURE 4.3 DEBRIS FLOW SHELTER GENERAL ARRANGEMENT OVERALL LAYOUT

Drawing Number

Project	Originator	Volume	Location	Type	Role	Number
A83AAB	AWJ	SSP	LTS_DFS_V01	DR	CB	000001

Original Size: A1 | Scale: As Shown | Project Ref. No: 5204594 | Sheet: 1 of 1 | Rev: C01

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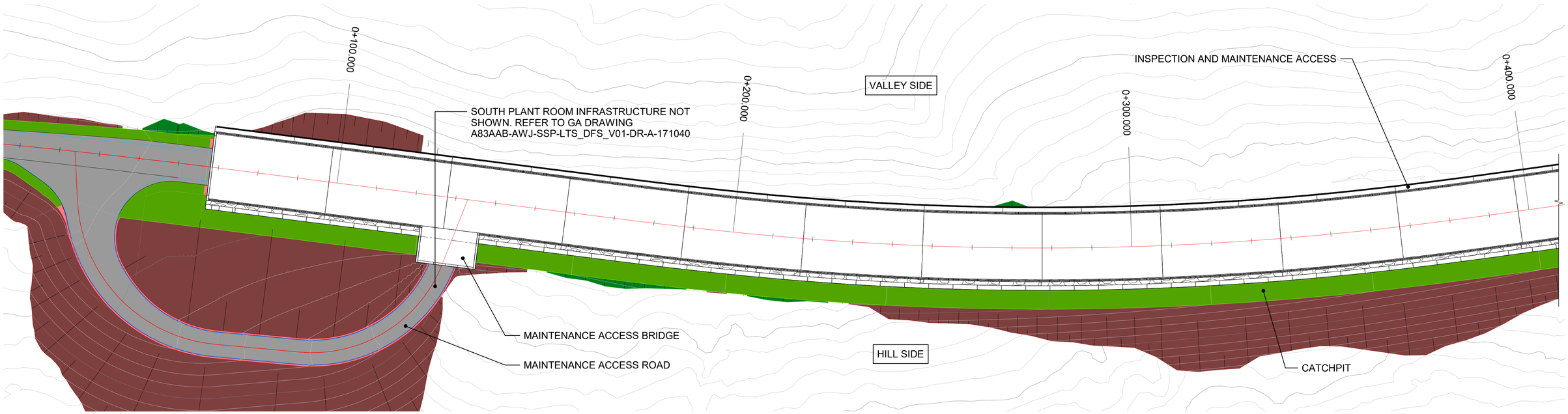
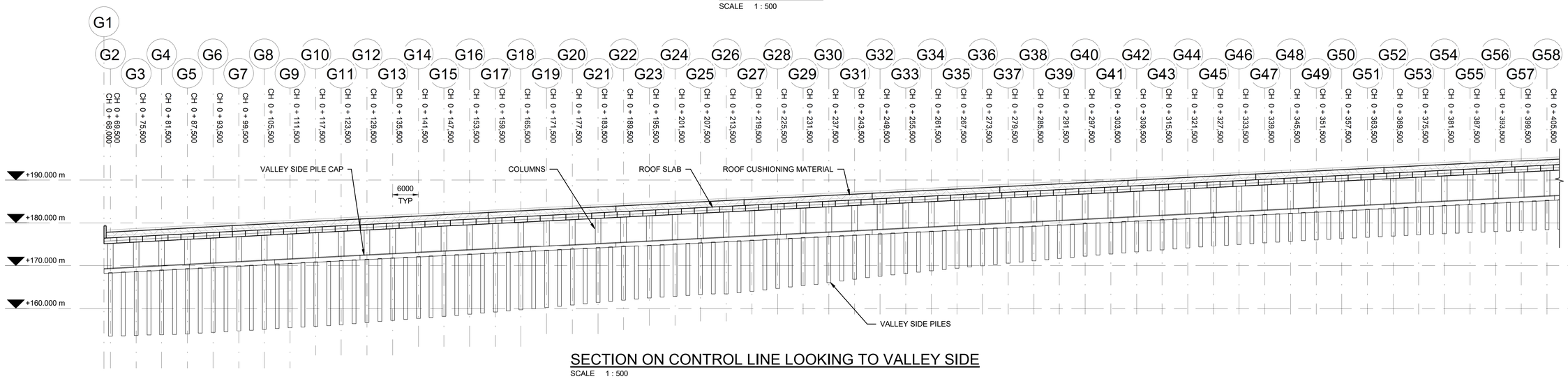
DO NOT SCALE



PLAN LAYOUT

SCALE 1 : 500



SECTION ON CONTROL LINE LOOKING TO VALLEY SIDE

SCALE 1 : 500

Scale 1:500

10m 5m 0m 5m 10m 20m 30m

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NOTES:

1. PILE LENGTH, DIAMETER AND SPACING ARE INDICATIVE UNTIL GI IS AVAILABLE.
2. A83 CULVERTS EXCLUDED FOR CLARITY.
3. THE VERTICAL COLUMNS ARE SHOWN INDICATIVELY AT THIS STAGE.
4. PLEASE REFER TO THE GEOTECHNICAL SECTION OF THE STAGE 3 REPORT FOR INFORMATION RELATED TO THE CATCH PIT AND DEBRIS FLOW AND ROCKFALL PROTECTION MEASURES.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
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
Maintenance / Cleaning
Use
Decommissioning / Demolition

Description:	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
FOR EIA REPORT	A3	C01	JH	DG	CG	CM	06/12/2024

Status: A3

Drawing Suitability: FOR REVIEW/ACCEPTANCE

AtkinsRéalis WSP

Client: TRANSPORT SCOTLAND CÒMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3

State: Preliminary

Project Title: A83 Rest and Be Thankful

Drawing Title: FIGURE 4.3 DEBRIS FLOW SHELTER GENERAL ARRANGEMENT PLAN AND ELEVATION SHEET 1

Drawing Number

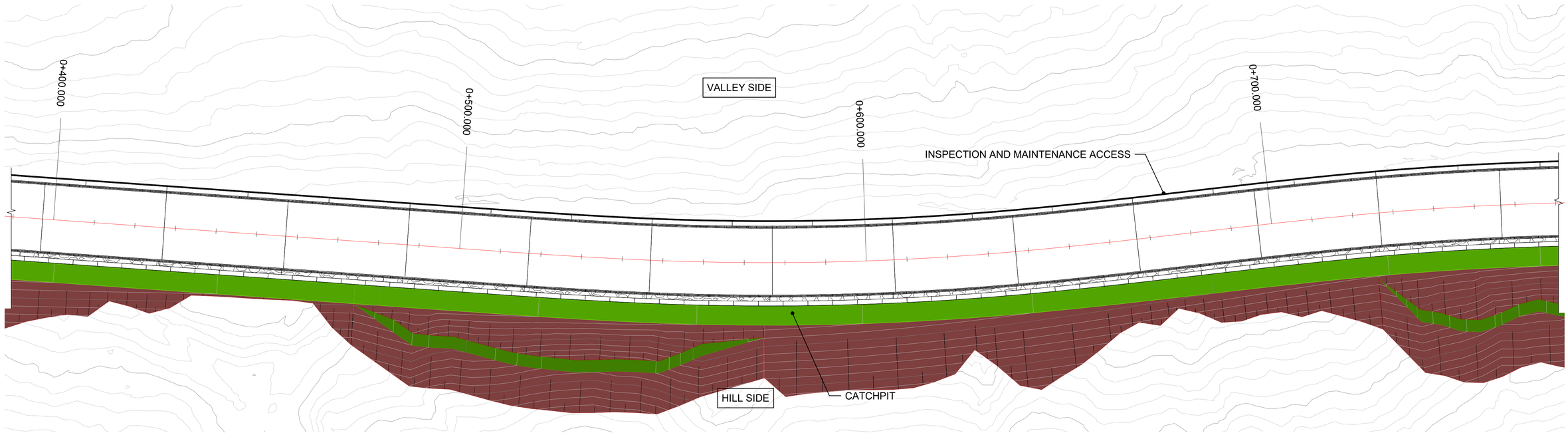
Project	Originator	Volume	Location	Type	Role	Number
A83AAB	AWJ	SSP	LTS_DFS_V01	DR	CB	000002

Original Size: A1 | Scale: As Shown | Project Ref. No: 5204594 | Sheet: 1 of 1 | Rev: C01

This Drawing is saved on ProjectWise. Plotted: 19/11/2024 11:30:47

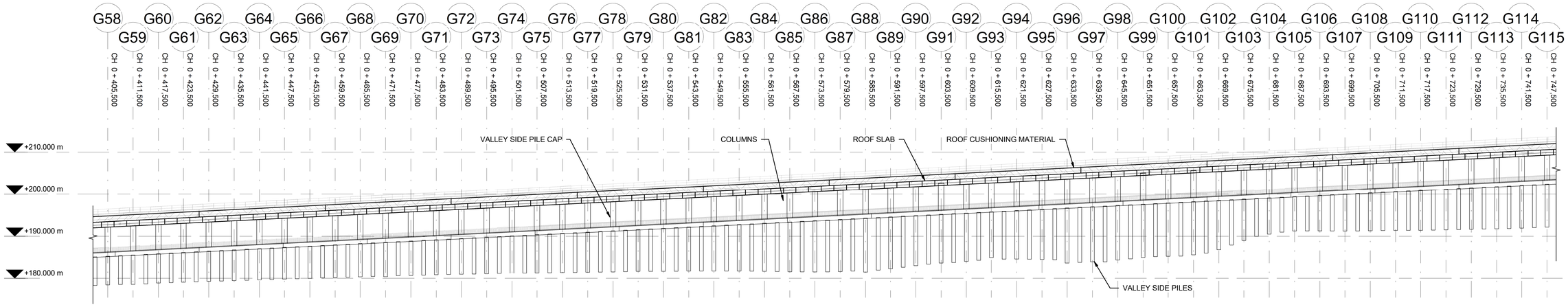
DO NOT SCALE

Millimetres 0 10 100



PLAN LAYOUT

SCALE 1 : 500



SECTION ON CONTROL LINE LOOKING TO VALLEY SIDE

SCALE 1 : 500

Scale 1:500

10m 5m 0m 5m 10m 20m 30m

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NOTES:

1. PILE LENGTH, DIAMETER AND SPACING ARE INDICATIVE UNTIL GI IS AVAILABLE.
2. A83 CULVERTS EXCLUDED FOR CLARITY.
3. THE VERTICAL COLUMNS ARE SHOWN INDICATIVELY AT THIS STAGE.
4. PLEASE REFER TO THE GEOTECHNICAL SECTION OF THE STAGE 3 REPORT FOR INFORMATION RELATED TO THE CATCH PIT AND DEBRIS FLOW AND ROCKFALL PROTECTION MEASURES.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
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
Maintenance / Cleaning
Use
Decommissioning / Demolition

Description:	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Description:							
Description:							
Description:							
Description:							
Description:							
Description:							
Description:							
Description: FOR EIA REPORT	A3	C01	JH	DG	CG	CM	06/12/2024

Status: A3

Drawing Suitability: AUTHORISED & ACCEPTED - STAGE 3

AtkinsRéalis wsp

Client: TRANSPORT SCOTLAND COMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3

State: Preliminary

Project Title: A83 Rest and Be Thankful

Drawing Title: FIGURE 4.3 DEBRIS FLOW SHELTER GENERAL ARRANGEMENT PLAN AND ELEVATION SHEET 2

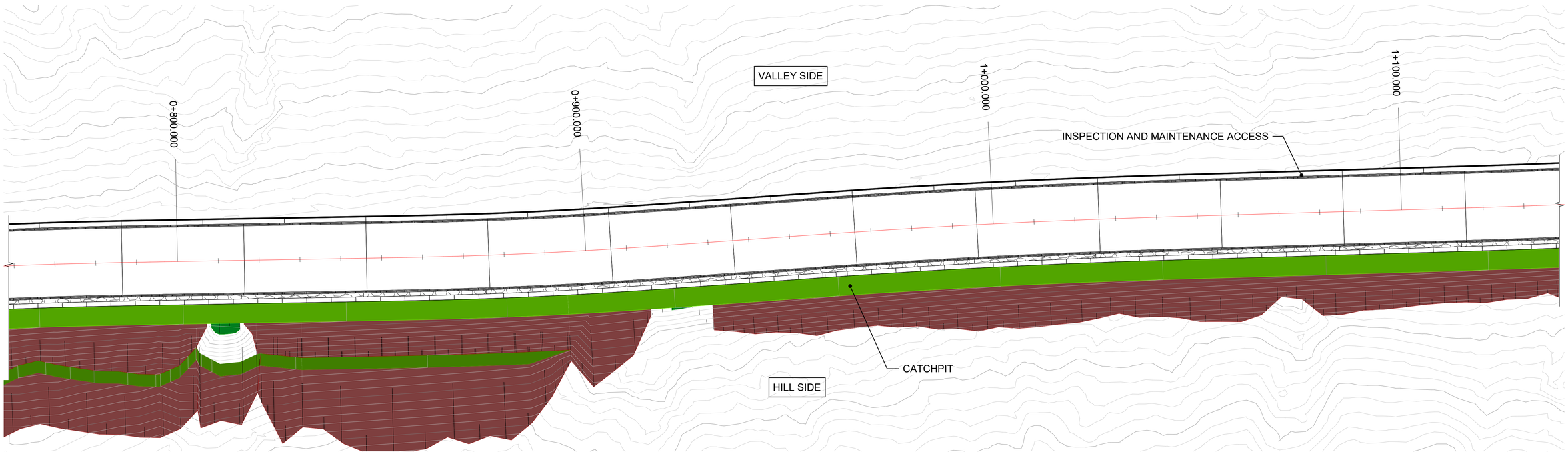
Drawing Number

Project	Originator	Volume	Location	Type	Role	Number
A83AAB	AWJ	SSP	LTS_DFS_V01	DR	CB	000003

Original Size: A1 | Scale: As Shown | Project Ref. No: 5204594 | Sheet: 1 of 1 | Rev: C01

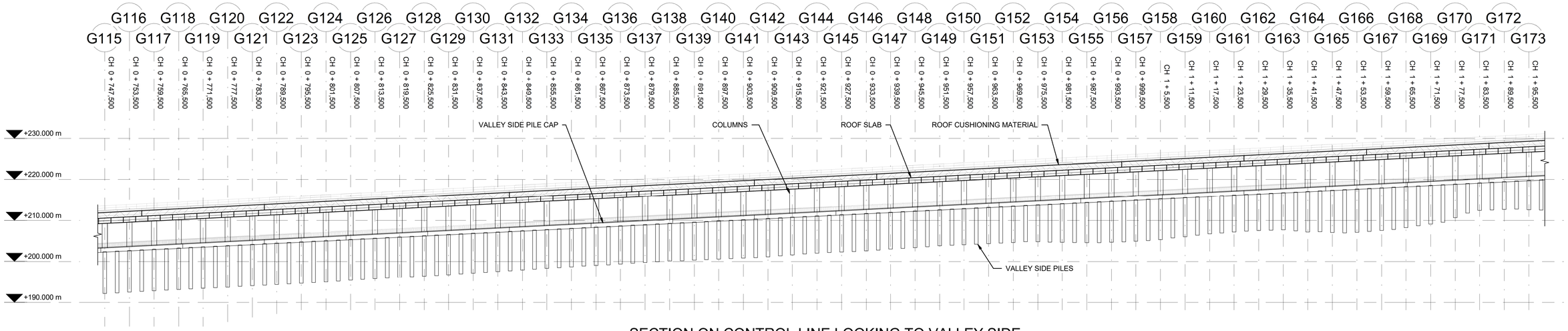
This Drawing is saved on ProjectWise. Plotted: 19/11/2024 11:31:02

DO NOT SCALE



PLAN LAYOUT

SCALE 1 : 500



SECTION ON CONTROL LINE LOOKING TO VALLEY SIDE

SCALE 1 : 500

Scale 1:500

10m 5m 0m 5m 10m 20m 30m

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NOTES:

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2. A83 CULVERTS EXCLUDED FOR CLARITY.
3. THE VERTICAL COLUMNS ARE SHOWN INDICATIVELY AT THIS STAGE.
4. PLEASE REFER TO THE GEOTECHNICAL SECTION OF THE STAGE 3 REPORT FOR INFORMATION RELATED TO THE CATCH PIT AND DEBRIS FLOW AND ROCKFALL PROTECTION MEASURES.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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

Maintenance / Cleaning

Use

Decommissioning / Demolition

Description:						
Description:						
Description:						
Description:						
Description:						
Description:						
Description:						
Description:						
Description:						
Description: FOR EIA REPORT						
A3	C01	JH	DG	CG	CM	06/12/2024
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date

Status: A3

Drawing Suitability: AUTHORISED & ACCEPTED - STAGE 3

AtkinsRéalis wsp

Client: TRANSPORT SCOTLAND CÒMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3

State: Preliminary

Project Title: A83 Rest and Be Thankful

Drawing Title: FIGURE 4.3 DEBRIS FLOW SHELTER GENERAL ARRANGEMENT PLAN AND ELEVATION SHEET 3

Drawing Number

Project	Originator	Volume	Location	Type	Role	Number
A83AAB	AWJ	SSP	LTS_DFS_V01	DR	CB	000004

Original Size: A1 | Scale: As Shown | Project Ref. No: 5204594 | Sheet: 1 of 1 | Rev: C01

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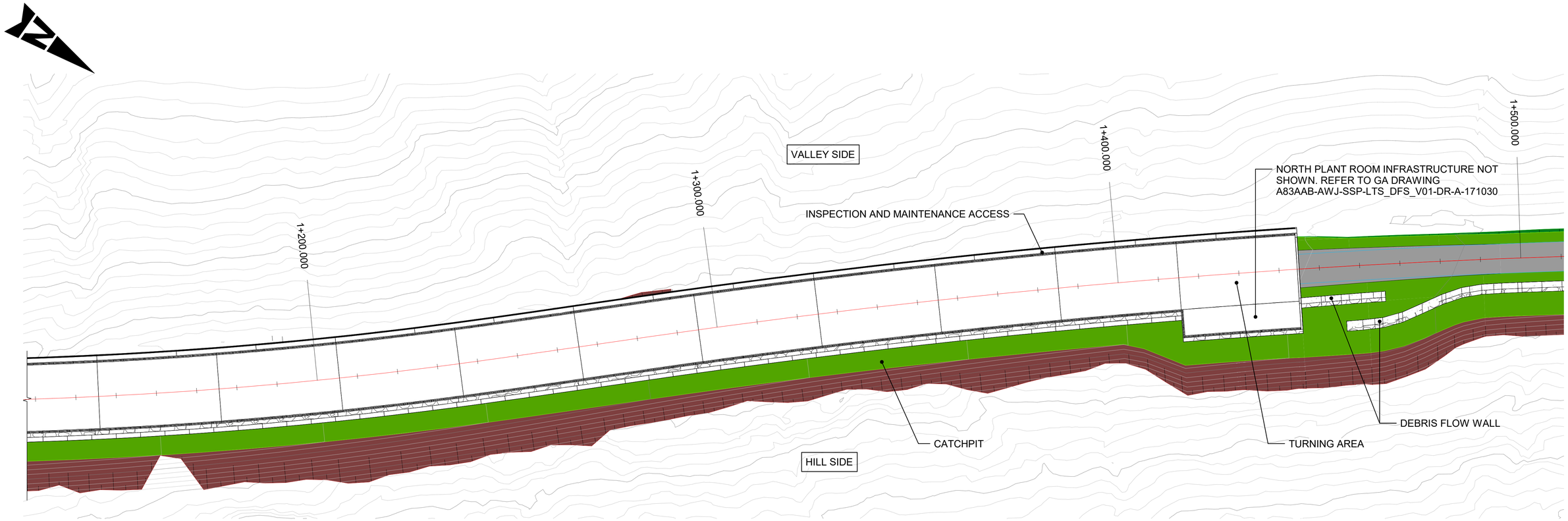
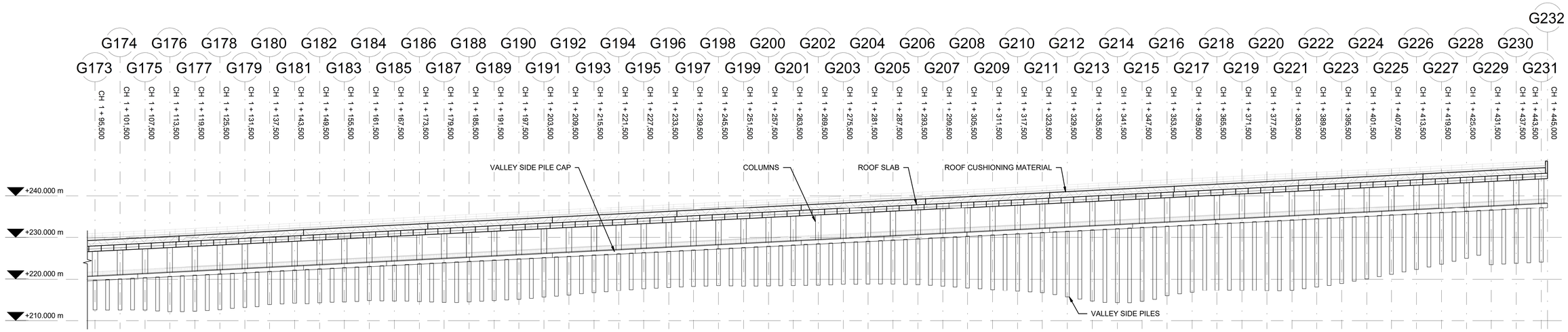


PLAN LAYOUT

SCALE 1 : 500



SECTION ON CONTROL LINE LOOKING TO VALLEY SIDE

SCALE 1 : 500

Scale 1:500

10m 5m 0m 5m 10m 20m 30m

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NOTES:

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4. PLEASE REFER TO THE GEOTECHNICAL SECTION OF THE STAGE 3 REPORT FOR INFORMATION RELATED TO THE CATCH PIT AND DEBRIS FLOW AND ROCKFALL PROTECTION MEASURES.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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

Maintenance / Cleaning

Use

Decommissioning / Demolition

Description:						
Description:						
Description:						
Description:						
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Description:						
Description:						
Description:						
Description: FOR EIA REPORT						
A3	C01	JH	DG	CG	CM	06/12/2024
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date

Status: A3

Drawing Suitability: AUTHORISED & ACCEPTED - STAGE 3

AtkinsRéalis wsp

Client: TRANSPORT SCOTLAND COMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3

State: Preliminary

Project Title: A83 Rest and Be Thankful

Drawing Title: FIGURE 4.3 DEBRIS FLOW SHELTER GENERAL ARRANGEMENT PLAN AND ELEVATION SHEET 4

Drawing Number

Project	Originator	Volume	Location	Type	Role	Number
A83AAB	AWJ	SSP	LTS_DFS_V01	DR	CB	000005

Original Size: A1 | Scale: As Shown | Project Ref. No: 5204594 | Sheet: 1 of 1 | Rev: C01

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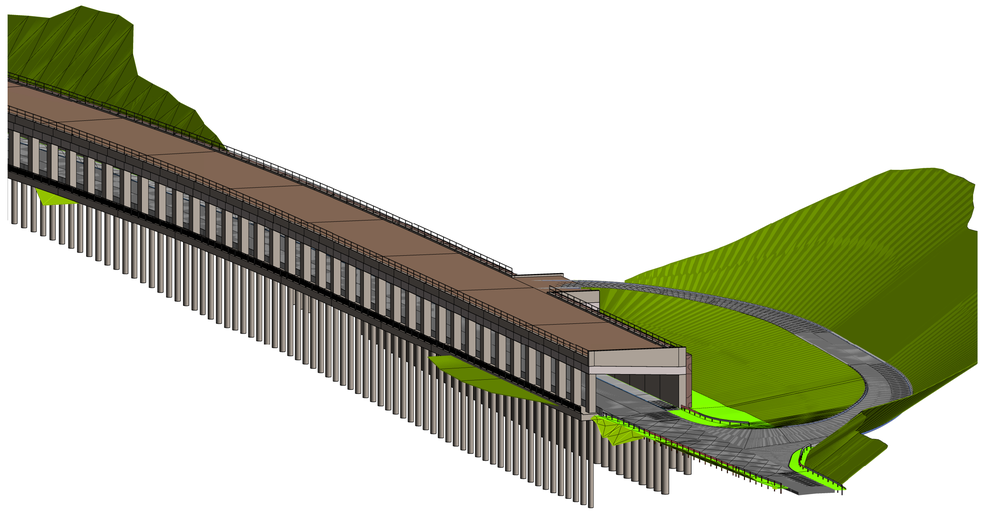
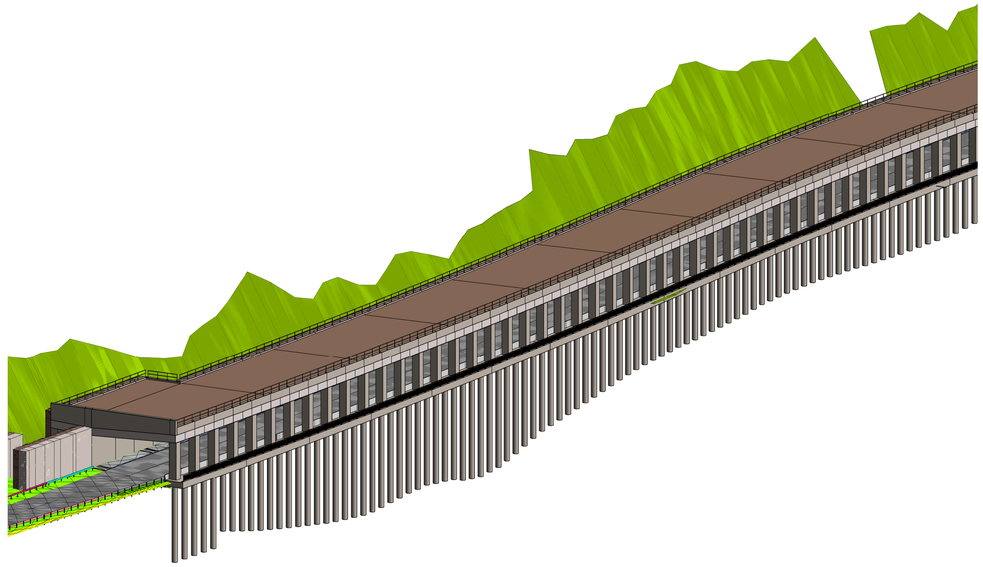
DO NOT SCALE

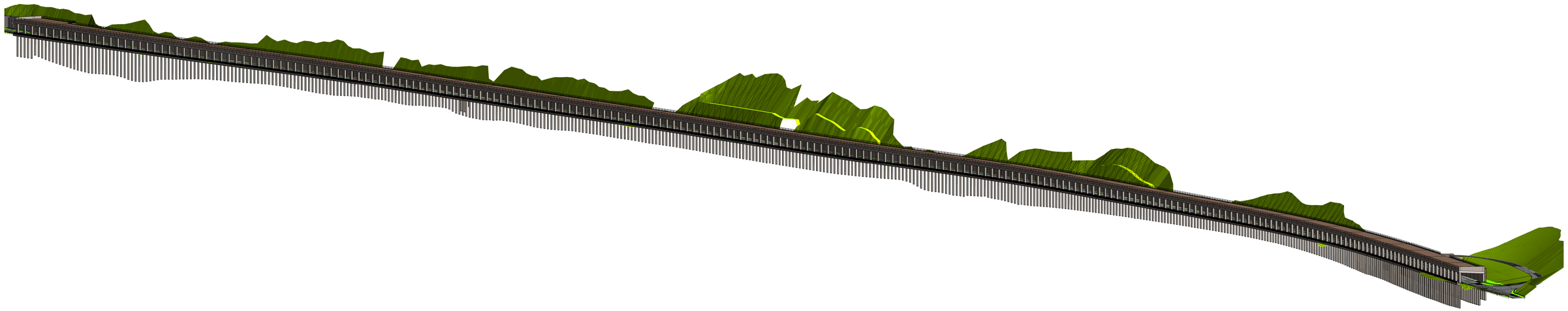
Millimetres 0 10 100



3D VIEW OF SOUTH ENTRANCE OF THE DEBRIS FLOW SHELTER
SCALE



3D VIEW OF NORTH ENTRANCE OF THE DEBRIS FLOW SHELTER
SCALE



OVERALL 3D VIEW
SCALE

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NOTES:

1. PILE LENGTH, DIAMETER AND SPACING ARE INDICATIVE UNTIL GI IS AVAILABLE.
2. A83 CULVERTS EXCLUDED FOR CLARITY.
3. THE VERTICAL COLUMNS ARE SHOWN INDICATIVELY AT THIS STAGE.
4. PLEASE REFER TO THE GEOTECHNICAL SECTION OF THE STAGE 3 REPORT FOR INFORMATION RELATED TO THE CATCH PIT AND DEBRIS FLOW AND ROCKFALL PROTECTION MEASURES.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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

Maintenance / Cleaning

Use

Decommissioning / Demolition

Description:	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
FOR EIA REPORT	A3	C01	JH	DG	CG	CM	06/12/2024

Status: A3

Drawing Suitability: AUTHORISED & ACCEPTED - STAGE 3

AtkinsRéalis wsp

Client: TRANSPORT SCOTLAND CÒMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3

State: Preliminary

Project Title: A83 Rest and Be Thankful

Drawing Title: FIGURE 4.3 DEBRIS FLOW SHELTER GENERAL ARRANGEMENT 3D VIEWS

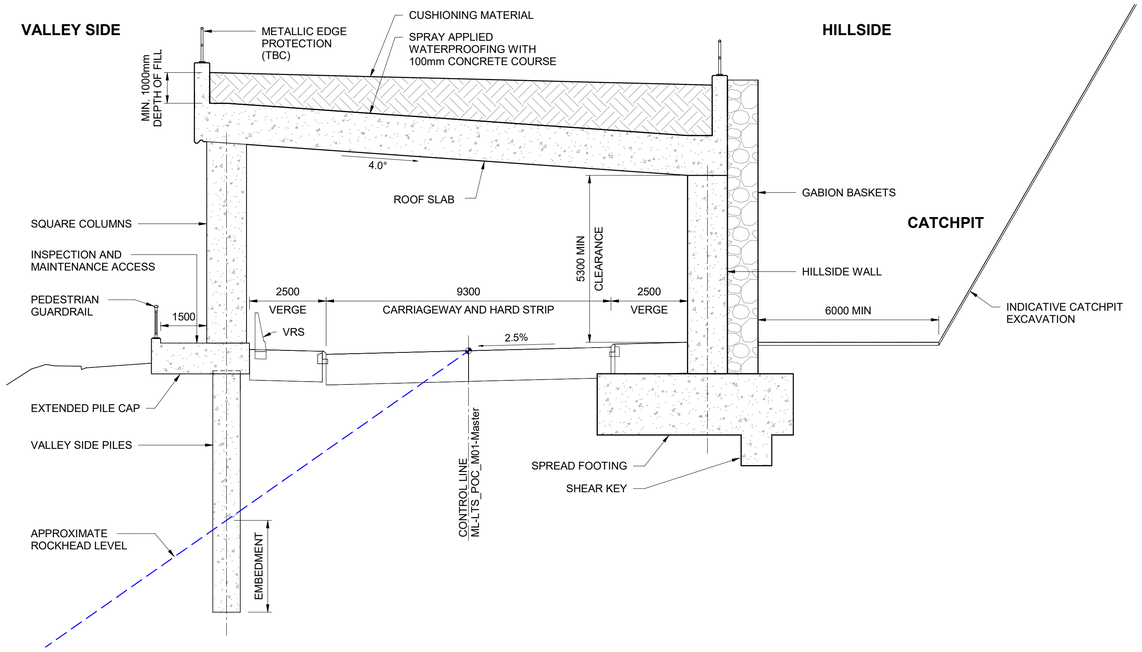
Drawing Number

Project	Originator	Volume	Location	Type	Role	Number
A83AAB	AWJ	SSP	-	LTS_DFS_V01	DR	CB - 000008

Original Size: A1 | Scale: As Shown | Project Ref. No: 5204594 | Sheet: 1 of 1 | Rev: C01

This Drawing is saved on ProjectWise. Plotted: 19/11/2024 11:38:42

DO NOT SCALE

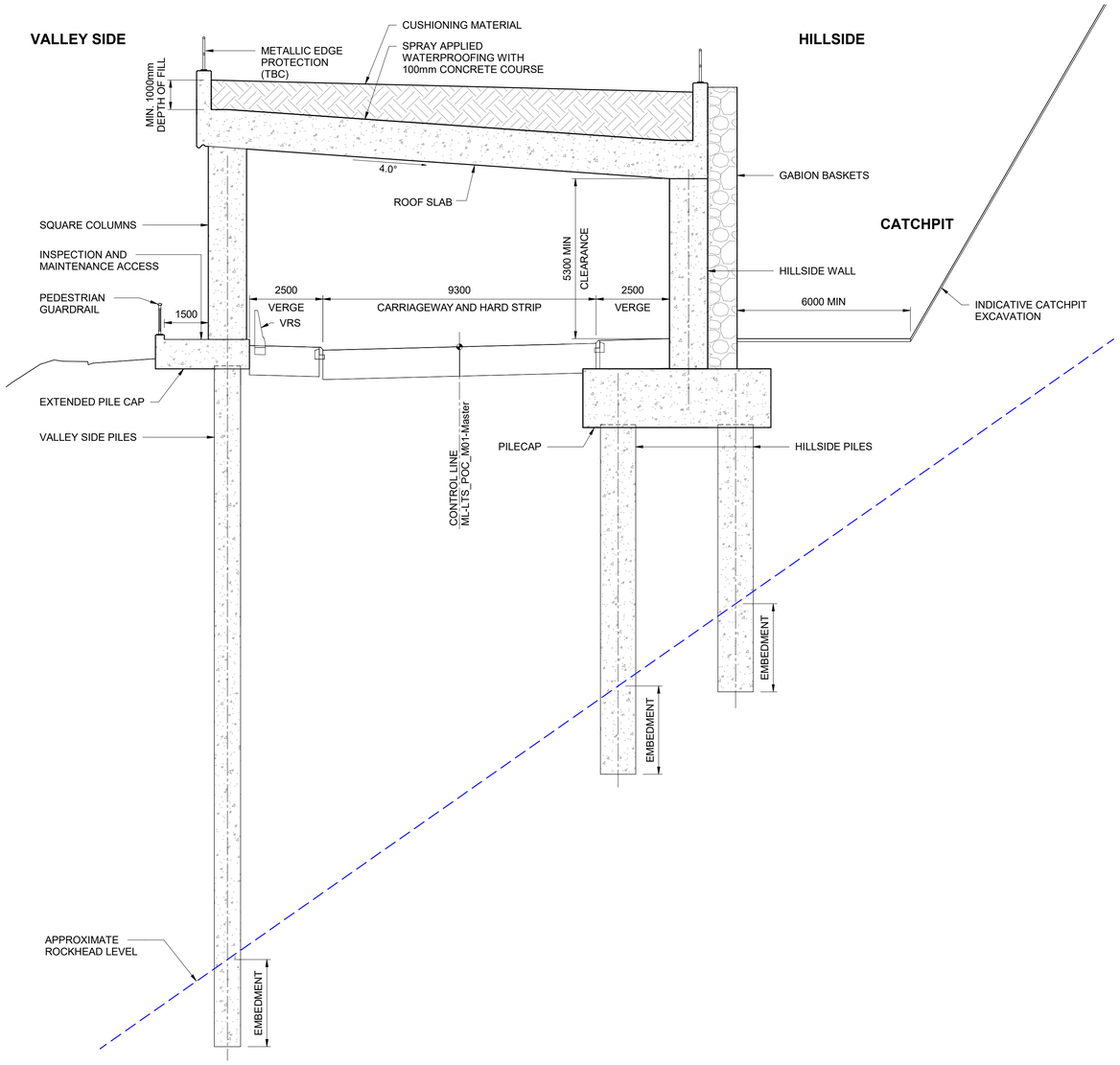


ROCK HEAD = 3m OR LESS FROM FINISHED GROUND AT HILLSIDE

OPTION 1 : TYPICAL SPREAD FOOTING

SCALE 1 : 100

5.3m INTERNAL HEADROOM, 4.0 DEGREE SLOPE



ROCK HEAD = 3m+ FROM FINISHED GROUND AT HILLSIDE

OPTION 2 : TYPICAL TWIN PILE

SCALE 1 : 100

5.3m INTERNAL HEADROOM, 4.0 DEGREE SLOPE

Scale 1:100

4m 3m 2m 1m 0m 2m 4m

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NOTES:

1. PILE LENGTH, DIAMETER AND SPACING ARE INDICATIVE UNTIL GI IS AVAILABLE.
2. A83 CULVERTS EXCLUDED FOR CLARITY.
3. THE VERTICAL COLUMNS ARE SHOWN INDICATIVELY AT THIS STAGE.
4. PLEASE REFER TO THE GEOTECHNICAL SECTION OF THE STAGE 3 REPORT FOR INFORMATION RELATED TO THE CATCH PIT AND DEBRIS FLOW AND ROCKFALL PROTECTION MEASURES.
5. SPREAD FOOTING GEOMETRY MAY BE OPTIMISED THROUGH PROVISION OF LATERAL AND VERTICAL RESTRAINT SUCH AS SHEAR KEY, GROUND ANCHORS OR ROCK DOWELS.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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

Maintenance / Cleaning

Use

Decommissioning / Demolition

Description:	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
FOR EIA REPORT	A3	C01	JH	DG	CG	CM	06/12/2024

Status: A3

Drawing Suitability: AUTHORISED & ACCEPTED - STAGE 3

AtkinsRéalis WSP

Client: TRANSPORT SCOTLAND CÒMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3

State: Preliminary

Project Title: A83 Rest and Be Thankful

Drawing Title: FIGURE 4.3 DEBRIS FLOW SHELTER GENERAL ARRANGEMENT TYPICAL SECTIONS SHEET 1

Drawing Number

Project: A83AAB - Originator: AWJ - Volume: SSP - Location: LTS_DFS_V01 - Type: DR - Role: CB - Number: 000101

Original Size: A1 | Scale: As Shown | Project Ref. No.: 5204594 | Sheet: 1 of 1 | Rev: C01

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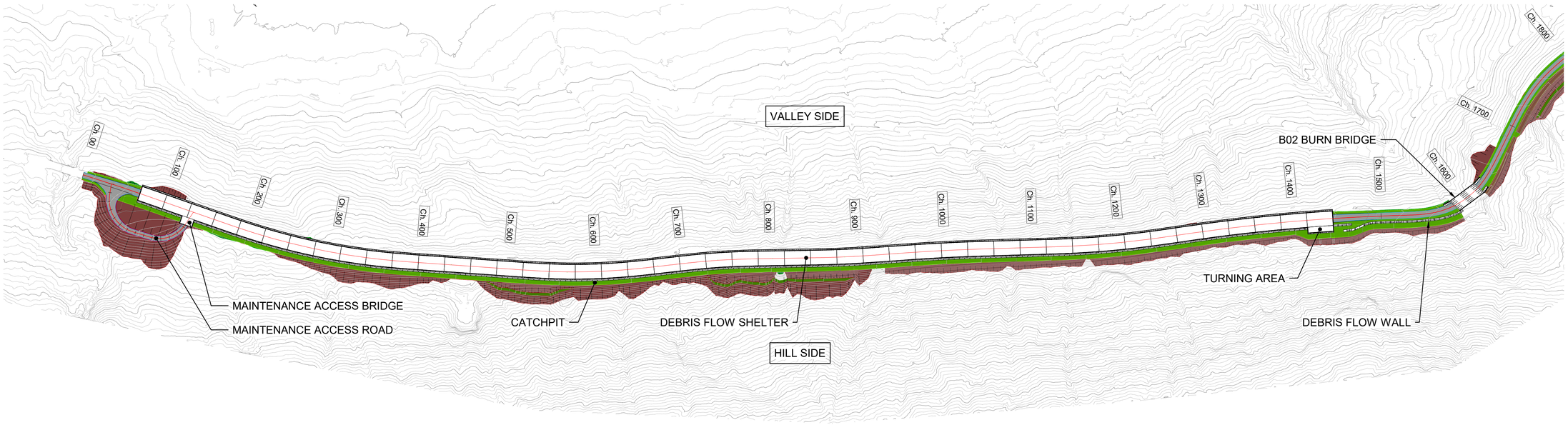
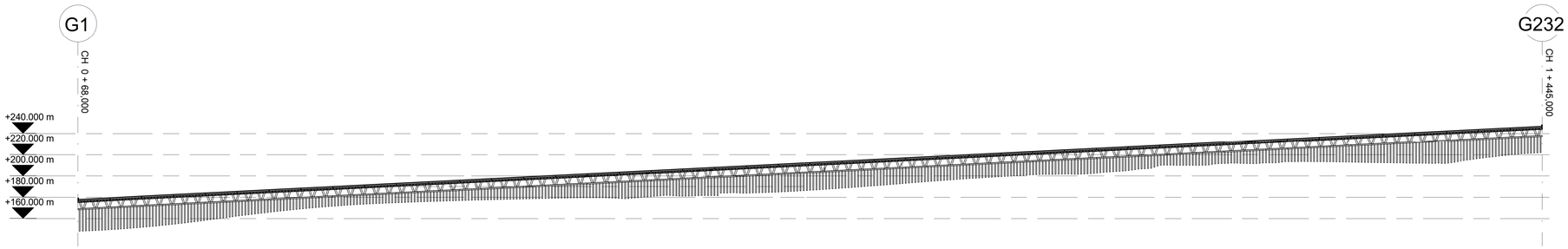


GENERAL ARRANGEMENT

SCALE 1 : 2500



ELEVATION ON CONTROL LINE LOOKING TO VALLEY SIDE

SCALE 1 : 2500

Scale 1:2500

50m 0m 50m 100m 150m

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NOTES:

1. PILE LENGTH, DIAMETER AND SPACING ARE INDICATIVE UNTIL GI IS AVAILABLE.
2. A83 CULVERTS EXCLUDED FOR CLARITY.
3. THE INCLINED V SHAPED COLUMNS ARE SHOWN INDICATIVELY AT THIS STAGE, ALTERNATIVELY VERTICAL COLUMNS ARE ALSO VIABLE.
4. PLEASE REFER TO THE GEOTECHNICAL SECTION OF THE STAGE 3 REPORT FOR INFORMATION RELATED TO THE CATCH PIT AND DEBRIS FLOW AND ROCKFALL PROTECTION MEASURES.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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

Maintenance / Cleaning

Use

Decommissioning / Demolition

Description:	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
FOR REVIEW AND ACCEPTANCE	S5	P01	JH	DG	CG	RG	03/10/24
FOR EIA REPORT	A3	C01	JH	DG	CG	RG	06/12/24

Status: A3

Drawing Suitability: AUTHORISED & ACCEPTED - STAGE 3

AtkinsRéalis wsp

Client: TRANSPORT SCOTLAND COMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3

State: Preliminary

Project Title: Access to Argyll and Bute (A83)

Drawing Title: FIGURE 4.3 DEBRIS FLOW SHELTER GENERAL ARRANGEMENT OVERALL LAYOUT

Drawing Number

Project	Originator	Volume	Location	Type	Role	Number
A83AAB	AWJ	SSP	LTS_DFS_V03	DR	CB	000001

Original Size: A1 | Scale: As Shown | Project Ref. No: 5204594 | Sheet: 1 of 1 | Rev: C01

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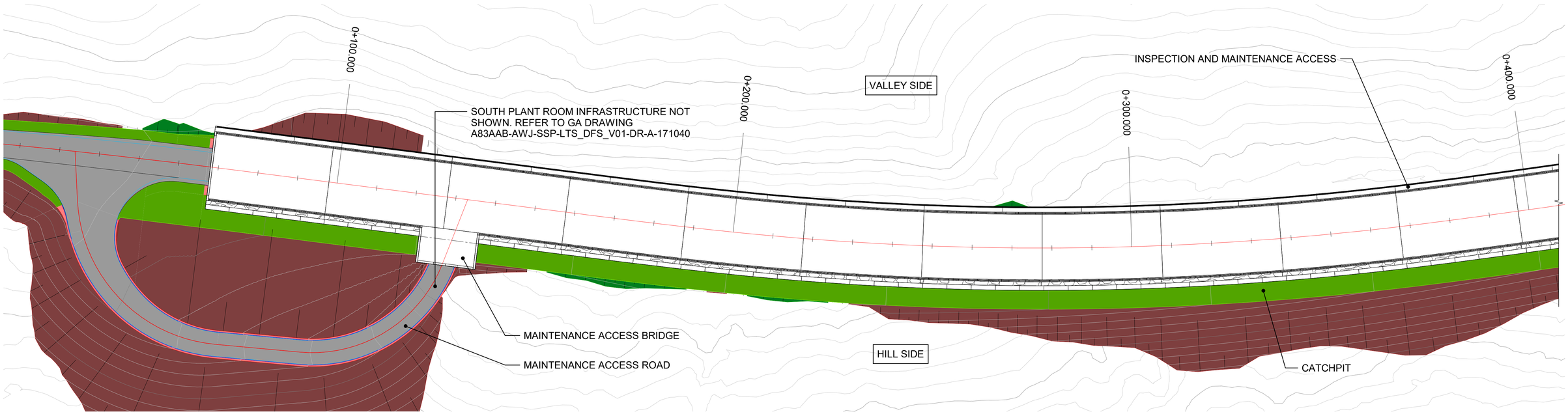
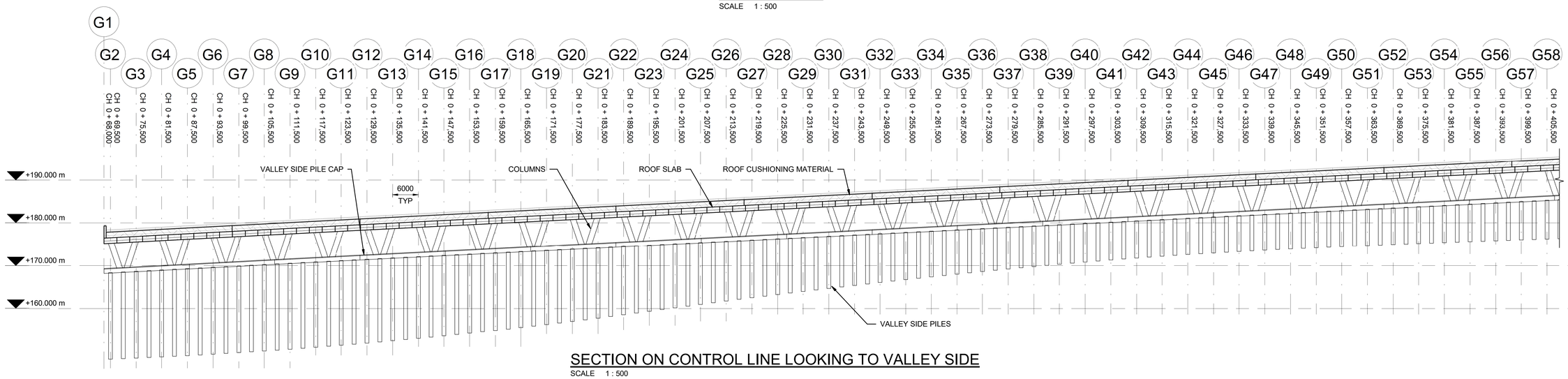
DO NOT SCALE



PLAN LAYOUT

SCALE 1 : 500



SECTION ON CONTROL LINE LOOKING TO VALLEY SIDE

SCALE 1 : 500

Scale 1:500

10m 5m 0m 5m 10m 20m 30m

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NOTES:

1. PILE LENGTH, DIAMETER AND SPACING ARE INDICATIVE UNTIL GI IS AVAILABLE.
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3. THE INCLINED V SHAPED COLUMNS ARE SHOWN INDICATIVELY AT THIS STAGE, ALTERNATIVELY VERTICAL COLUMNS ARE ALSO VIABLE.
4. PLEASE REFER TO THE GEOTECHNICAL SECTION OF THE STAGE 3 REPORT FOR INFORMATION RELATED TO THE CATCH PIT AND DEBRIS FLOW AND ROCKFALL PROTECTION MEASURES.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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

Maintenance / Cleaning

Use

Decommissioning / Demolition

Description:	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
FOR INFORMATION	S5	P01	JH	DG	CG	RG	03/10/24
FOR EIA REPORT	A3	C01	JH	DG	CG	RG	06/12/24

Status: A3

Drawing Suitability: AUTHORISED & ACCEPTED - STAGE 3

AtkinsRéalis WSP

Client: TRANSPORT SCOTLAND CÒMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3

State: Preliminary

Project Title: Access to Argyll and Bute (A83)

Drawing Title: FIGURE 4.3 DEBRIS FLOW SHELTER GENERAL ARRANGEMENT PLAN AND ELEVATION SHEET 1

Drawing Number

Project: A83AAB - Originator: AWJ - Volume: SSP - Location: LTS_DFS_V03 - Type: DR - Role: CB - Number: 000002

Original Size: A1 | Scale: As Shown | Project Ref. No: 5204594 | Sheet: 1 of 1 | Rev: C01

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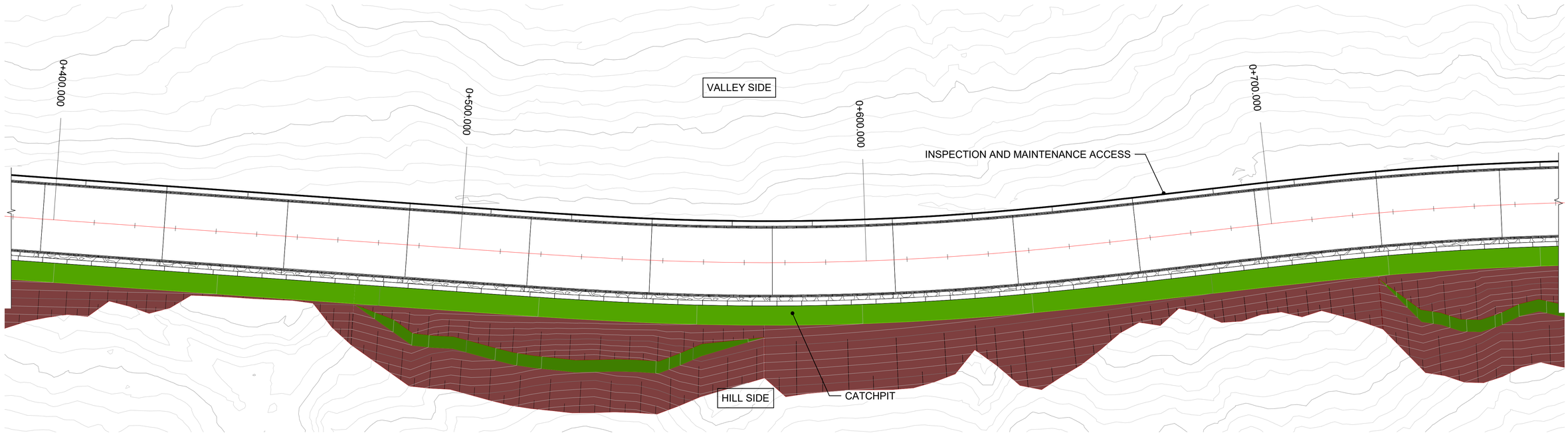
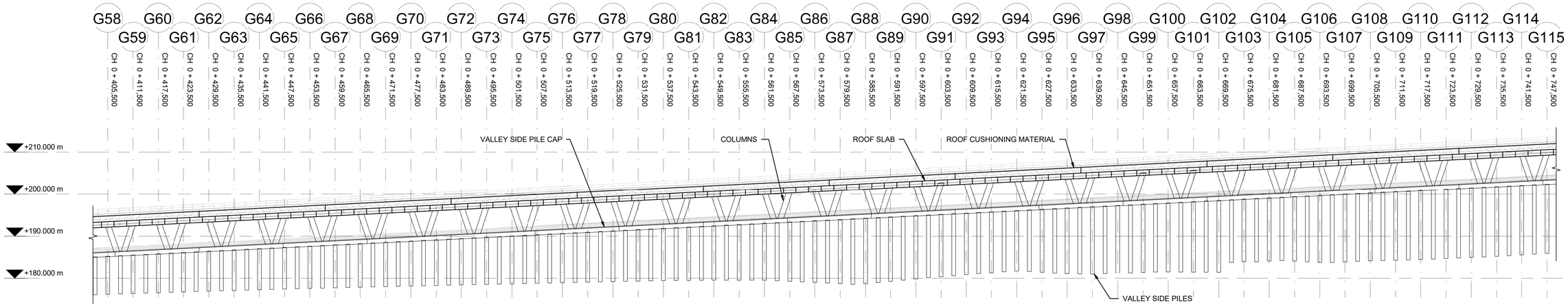


PLAN LAYOUT

SCALE 1 : 500



SECTION ON CONTROL LINE LOOKING TO VALLEY SIDE

SCALE 1 : 500

Scale 1:500
10m 5m 0m 5m 10m 20m 30m

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NOTES:

1. PILE LENGTH, DIAMETER AND SPACING ARE INDICATIVE UNTIL GI IS AVAILABLE.
2. A83 CULVERTS EXCLUDED FOR CLARITY.
3. THE INCLINED V SHAPED COLUMNS ARE SHOWN INDICATIVELY AT THIS STAGE, ALTERNATIVELY VERTICAL COLUMNS ARE ALSO VIABLE.
4. PLEASE REFER TO THE GEOTECHNICAL SECTION OF THE STAGE 3 REPORT FOR INFORMATION RELATED TO THE CATCH PIT AND DEBRIS FLOW AND ROCKFALL PROTECTION MEASURES.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
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
Maintenance / Cleaning
Use
Decommissioning / Demolition

Description:						
Description:						
Description:						
Description:						
Description:						
Description:						
Description:						
Description: FOR INFORMATION						
S5	P01	JH	DG	CG	RG	03/10/24
Description: FOR EIA REPORT						
A3	C01	JH	DG	CG	RG	06/12/24
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date

Status: A3

Drawing Suitability: AUTHORISED & ACCEPTED - STAGE 3

AtkinsRéalis wsp

Client: TRANSPORT SCOTLAND COMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3

State: Preliminary

Project Title: Access to Argyll and Bute (A83)

Drawing Title: FIGURE 4.3 DEBRIS FLOW SHELTER GENERAL ARRANGEMENT PLAN AND ELEVATION SHEET 2

Drawing Number

Project	Originator	Volume	Location	Type	Role	Number
A83AAB	AWJ	SSP	LTS_DFS_V03	DR	CB	000003

Original Size: A1 | Scale: As Shown | Project Ref. No: 5204594 | Sheet: 1 of 1 | Rev: C01

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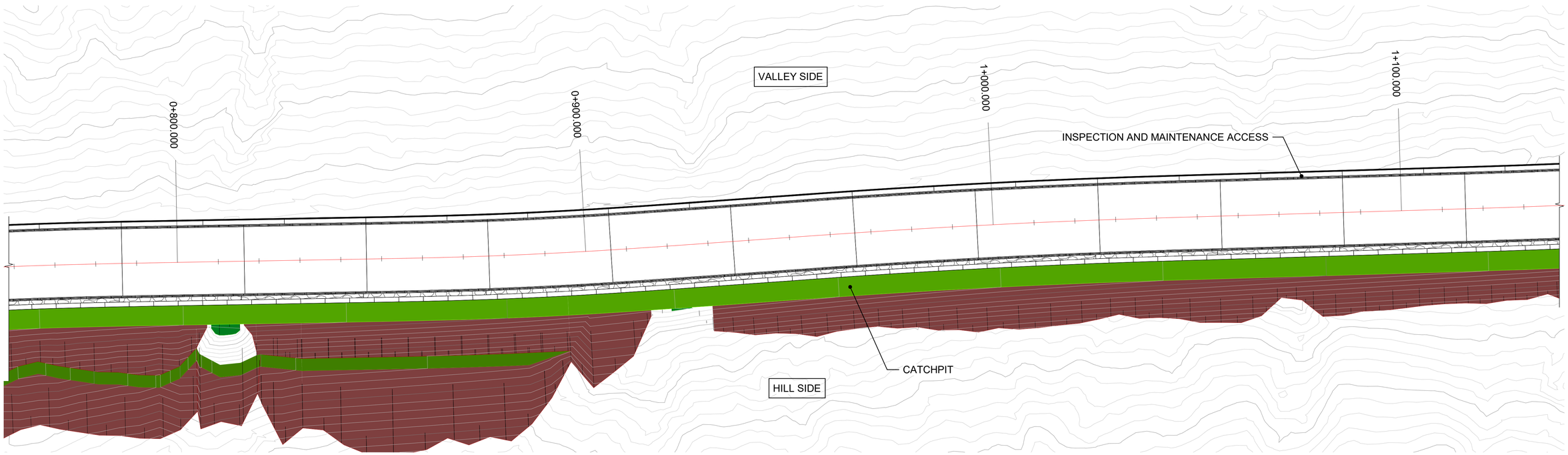
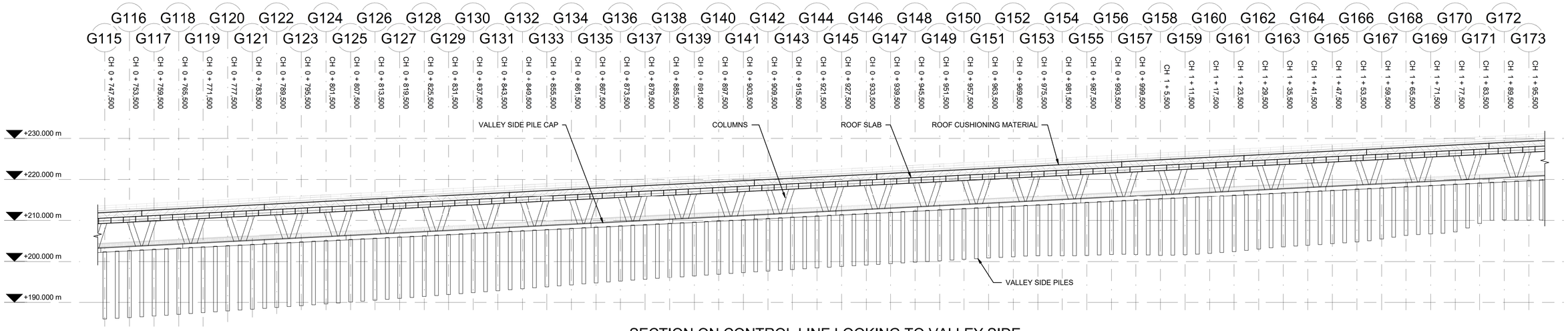


PLAN LAYOUT

SCALE 1 : 500



SECTION ON CONTROL LINE LOOKING TO VALLEY SIDE

SCALE 1 : 500

Scale 1:500

10m 5m 0m 5m 10m 20m 30m

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NOTES:

1. PILE LENGTH, DIAMETER AND SPACING ARE INDICATIVE UNTIL GI IS AVAILABLE.
2. A83 CULVERTS EXCLUDED FOR CLARITY.
3. THE INCLINED V SHAPED COLUMNS ARE SHOWN INDICATIVELY AT THIS STAGE, ALTERNATIVELY VERTICAL COLUMNS ARE ALSO VIABLE.
4. PLEASE REFER TO THE GEOTECHNICAL SECTION OF THE STAGE 3 REPORT FOR INFORMATION RELATED TO THE CATCH PIT AND DEBRIS FLOW AND ROCKFALL PROTECTION MEASURES.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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

Maintenance / Cleaning

Use

Decommissioning / Demolition

Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date	Description
S5	P01	JH	DG	CG	RG	03/10/24	FOR INFORMATION
A3	C01	JH	DG	CG	RG	06/12/24	FOR EIA REPORT

Status: A3

Drawing Suitability: AUTHORISED & ACCEPTED - STAGE 3

AtkinsRéalis WSP

Client: TRANSPORT SCOTLAND CÒMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3

State: Preliminary

Project Title: Access to Argyll and Bute (A83)

Drawing Title: FIGURE 4.3 DEBRIS FLOW SHELTER GENERAL ARRANGEMENT PLAN AND ELEVATION SHEET 3

Drawing Number

Project	Originator	Volume	Location	Type	Role	Number
A83AAB	AWJ	SSP	LTS_DFS_V03	DR	CB	000004

Original Size: A1 | Scale: As Shown | Project Ref. No: 5204594 | Sheet: 1 of 1 | Rev: C01

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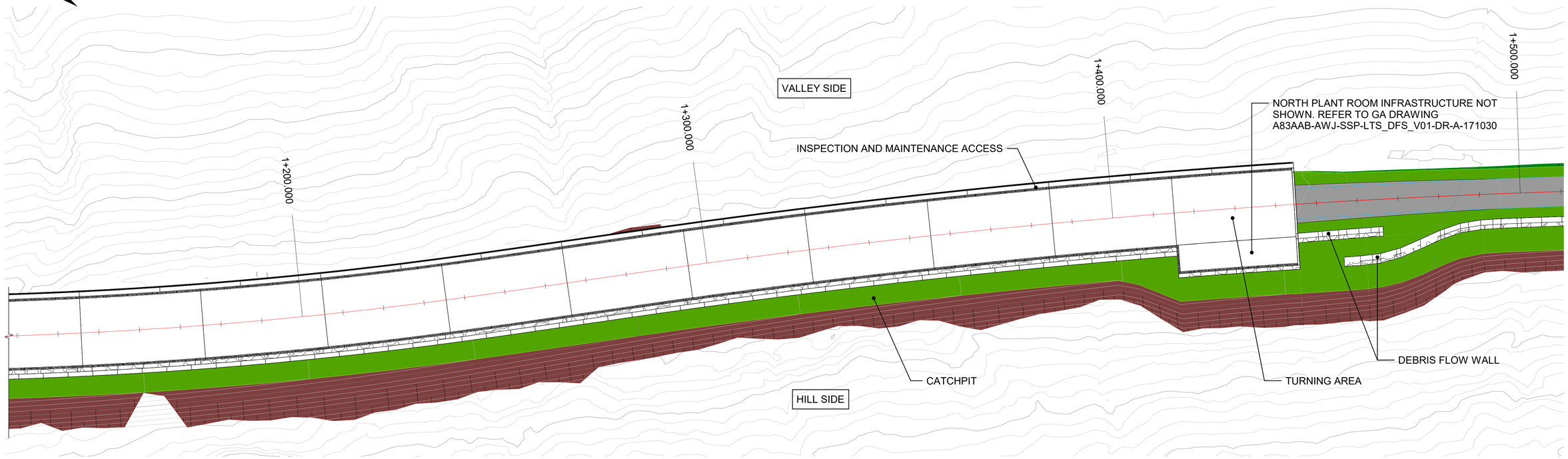
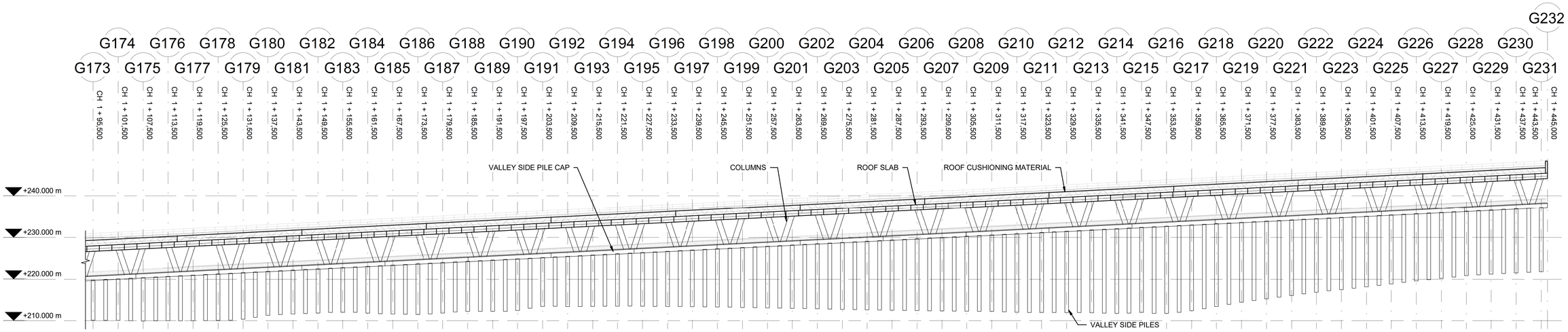


PLAN LAYOUT

SCALE 1 : 500



SECTION ON CONTROL LINE LOOKING TO VALLEY SIDE

SCALE 1 : 500

Scale 1:500

10m 5m 0m 5m 10m 20m 30m

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NOTES:

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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

Maintenance / Cleaning

Use

Decommissioning / Demolition

Description:	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
FOR INFORMATION	S5	P01	JH	DG	CG	RG	03/10/24
FOR EIA REPORT	A3	C01	JH	DG	CG	RG	06/12/24

Status: A3

Drawing Suitability: AUTHORISED & ACCEPTED - STAGE 3

AtkinsRéalis WSP

Client: TRANSPORT SCOTLAND COMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3

State: Preliminary

Project Title: Access to Argyll and Bute (A83)

Drawing Title: FIGURE 4.3 DEBRIS FLOW SHELTER GENERAL ARRANGEMENT PLAN AND ELEVATION SHEET 4

Drawing Number

Project	Originator	Volume	Location	Type	Role	Number
A83AAB	AWJ	SSP	LTS_DFS_V03	DR	CB	000005

Original Size: A1 | Scale: As Shown | Project Ref. No: 5204594 | Sheet: 1 of 1 | Rev: C01

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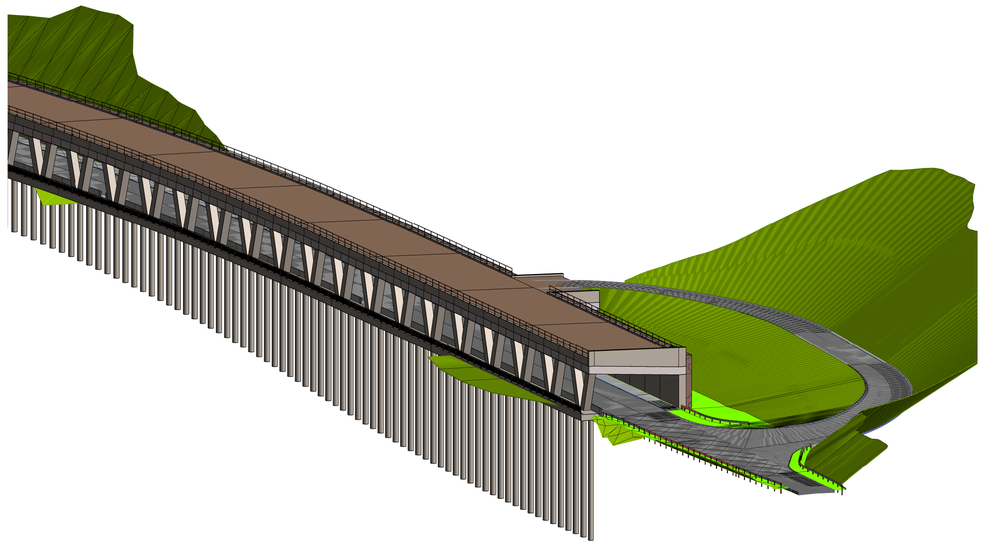
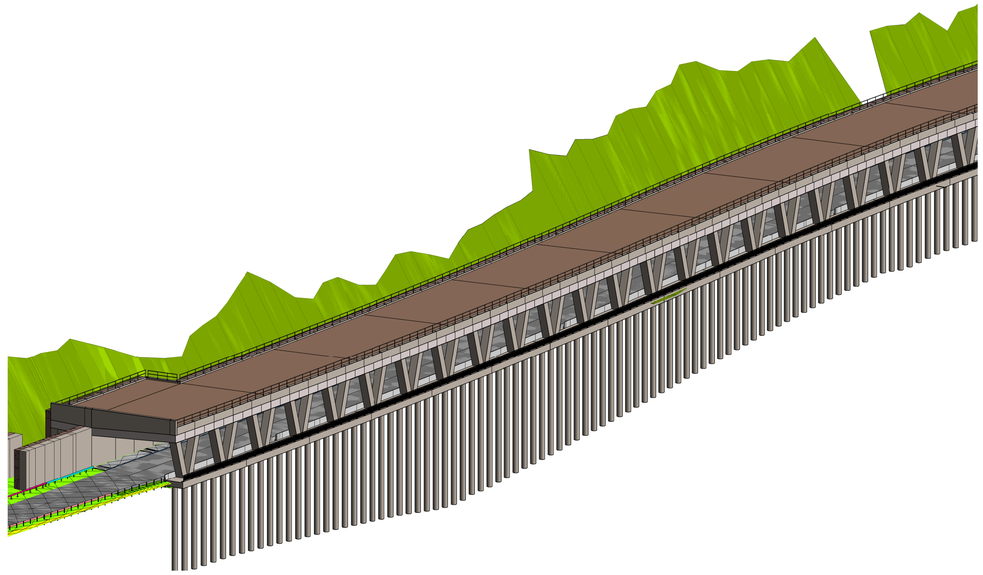
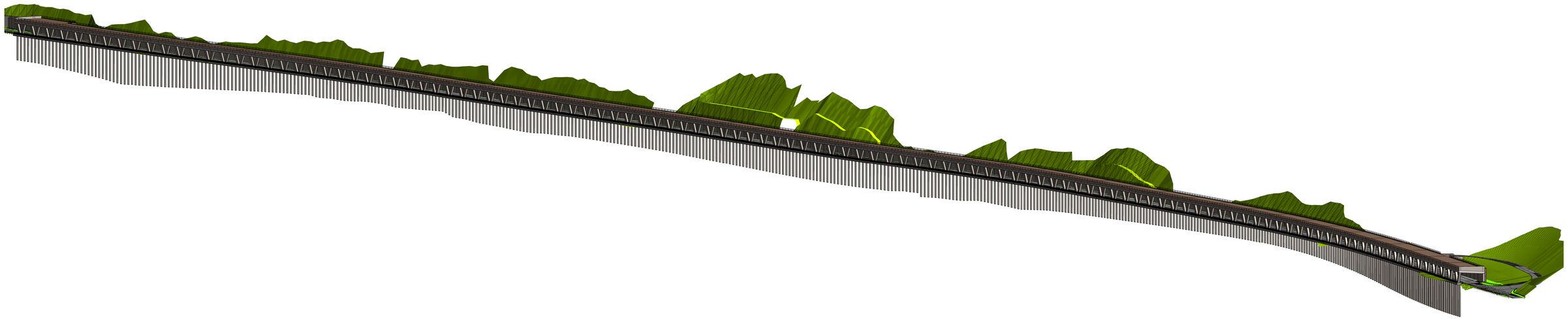


3D VIEW OF SOUTH ENTRANCE OF THE DEBRIS FLOW SHELTER
SCALE



3D VIEW OF NORTH ENTRANCE OF THE DEBRIS FLOW SHELTER
SCALE



OVERALL 3D VIEW
SCALE

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NOTES:

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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

Maintenance / Cleaning

Use

Decommissioning / Demolition

Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
S5	P01	JH	DG	CG	CM	03/10/24
A3	C01	JH	DG	CG	CM	06/12/24

Description: FOR REVIEW/ACCEPTANCE
Description: FOR EIA REPORT

Status: A3
Drawing Suitability: AUTHORISED & ACCEPTED - STAGE 3

AtkinsRéalis wsp

Client: TRANSPORT SCOTLAND CÒMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3
State: Preliminary

Project Title: Access to Argyll and Bute (A83)

Drawing Title: FIGURE 4.3
DEBRIS FLOW SHELTER
GENERAL ARRANGEMENT
3D VIEWS

Drawing Number
Project: A83AAB - Originator: AWJ - Volume: SSP -
Location: LTS_DFS_V03 - Type: DR - Role: CB - Number: 000008

Original Size: A1 | Scale: As Shown | Project Ref. No: 5204594 | Sheet: 1 of 1 | Rev: C01

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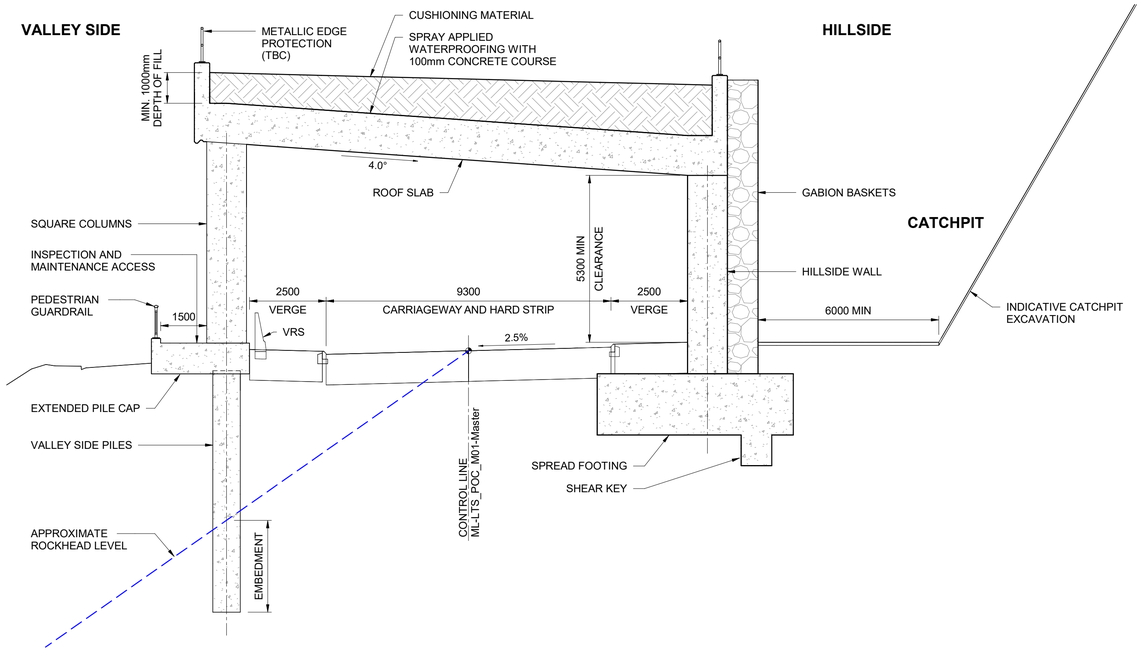
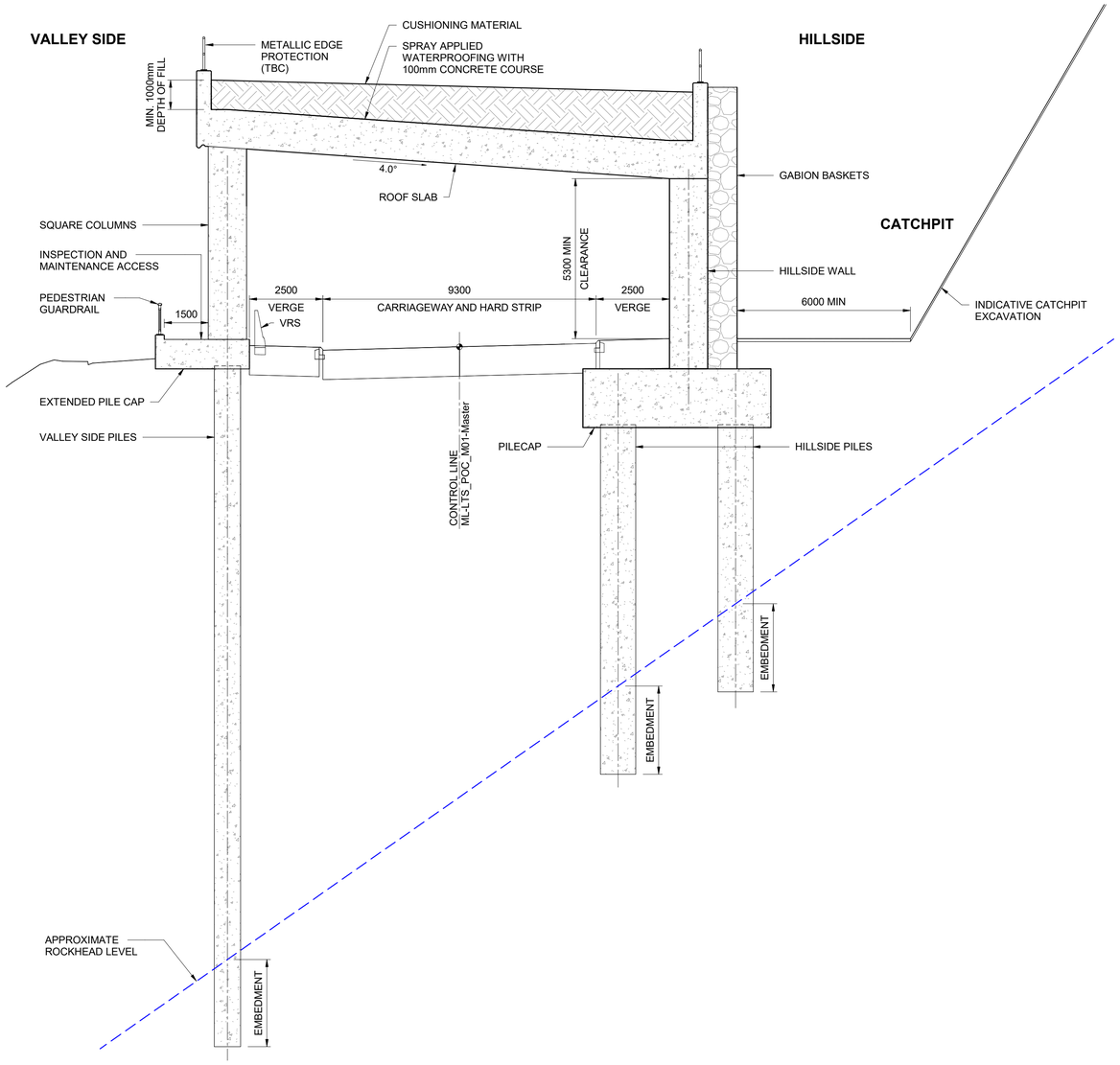


ROCK HEAD = 3m OR LESS FROM FINISHED GROUND AT HILLSIDE

OPTION 1 : TYPICAL SPREAD FOOTING

SCALE 1 : 100

5.3m INTERNAL HEADROOM, 4.0 DEGREE SLOPE



ROCK HEAD = 3m+ FROM FINISHED GROUND AT HILLSIDE

OPTION 2 : TYPICAL TWIN PILE

SCALE 1 : 100

5.3m INTERNAL HEADROOM, 4.0 DEGREE SLOPE

Scale 1:100

4m 3m 2m 1m 0m 2m 4m

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NOTES:

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4. PLEASE REFER TO THE GEOTECHNICAL SECTION OF THE STAGE 3 REPORT FOR INFORMATION RELATED TO THE CATCH PIT AND DEBRIS FLOW AND ROCKFALL PROTECTION MEASURES.
5. SPREAD FOOTING GEOMETRY MAY BE OPTIMISED THROUGH PROVISION OF LATERAL AND VERTICAL RESTRAINT SUCH AS SHEAR KEY, GROUND ANCHORS OR ROCK DOWELS.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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

Maintenance / Cleaning

Use

Decommissioning / Demolition

Description:	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
FOR REVIEW/ACCEPTANCE	S5	P01	JH	DG	CG	CM	03/10/2024
FOR EIAR REPORT	A3	C01	JH	DG	CG	CM	06/12/2024

Status: A3

Drawing Suitability: AUTHORISED & ACCEPTED - STAGE 3

AtkinsRéalis wsp

Client: TRANSPORT SCOTLAND CÒMHDHAIL ALBA

Project Stage / Design Fix: DMRB Stage 3

State: Preliminary

Project Title: A83 Rest and Be Thankful

Drawing Title: FIGURE 4.3 DEBRIS FLOW SHELTER GENERAL ARRANGEMENT TYPICAL SECTIONS SHEET 1

Drawing Number

Project: A83AAB - Originator: AWJ - Volume: SSP - Location: LTS_DFS_V03 - Type: DR - Role: CB - Number: 000101

Original Size: A1 | Scale: As Shown | Project Ref. No.: 5204594 | Sheet: 1 of 1 | Rev: C01

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