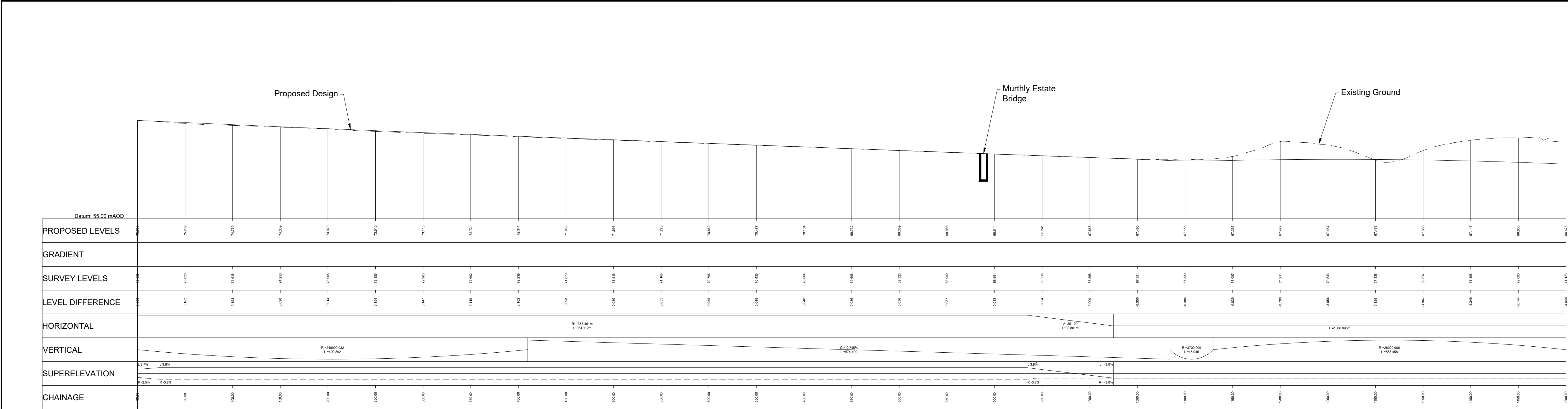


- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line Railway

P01	23/11/18	ISSUED FOR INFORMATION	SA	LW	AB	AB
P02	26/08/19	ISSUED FOR INFORMATION	SA	DM	AB	AB
P03	20/08/24	ISSUED FOR INFORMATION	AW	AB	DK	MP
P04	02/05/25	ISSUED FOR INFORMATION	CK	AB	MP	MP
P05	19/05/25	FOR REVIEW AND COMMENT	DE	AB	DK	MP
P06	28/05/25	DMRB STAGE 3 REPORT - FINAL	DE	AB	DK	MP
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd



Designer: **Jacobs.**

Client: **TRANSPORT SCOTLAND**

Project: **A9 DUALING PASS OF BIRNAM TO TAY CROSSING**

Drawing title: **DMRB STAGE 3 PASS OF BIRNAM TO TAY CROSSING PLAN AND PROFILE CH. 0 - CH. 1500**

Drawing status: **S4 - ISSUED FOR STAGE APPROVAL**

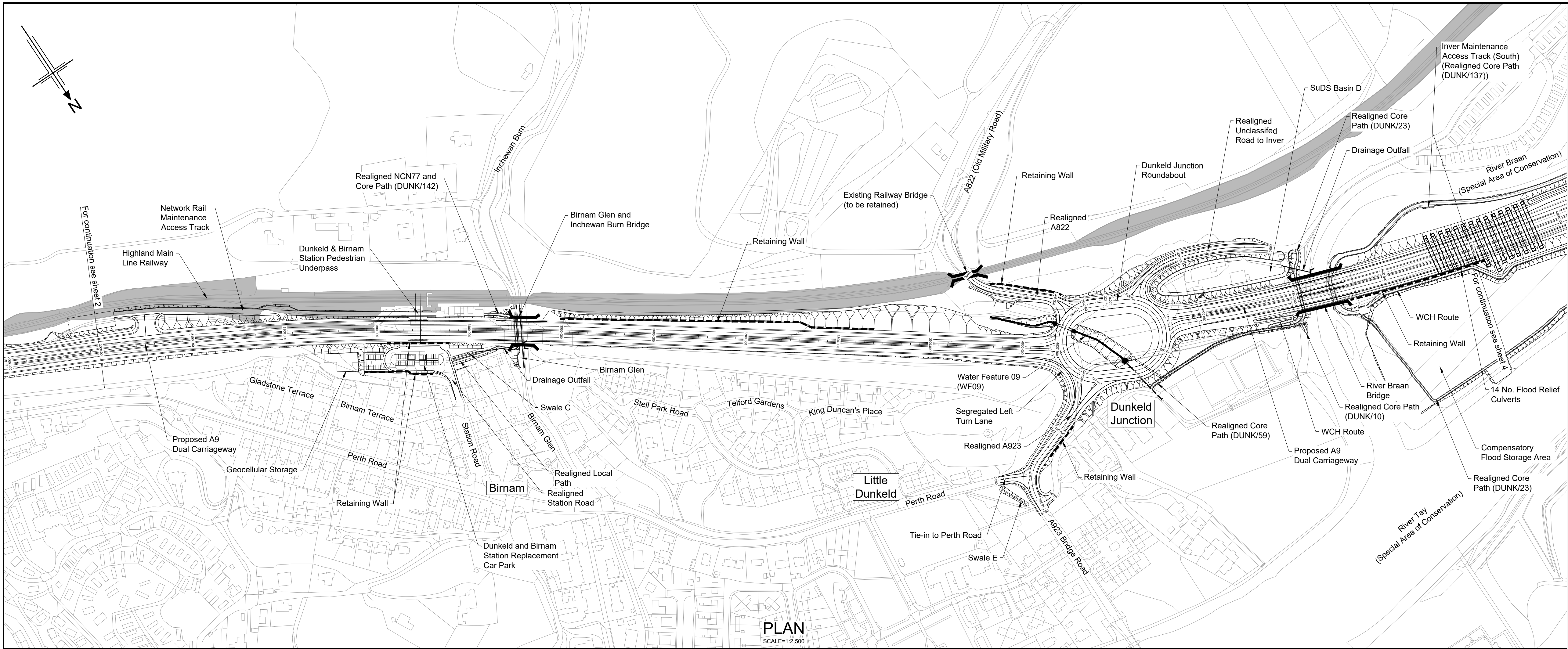
State: Preliminary
Scale: AS SHOWN
Jacobs No.: B2140002
Client no.: TS/MTRIPS/SER/2013/03

DO NOT SCALE
Rev: P06

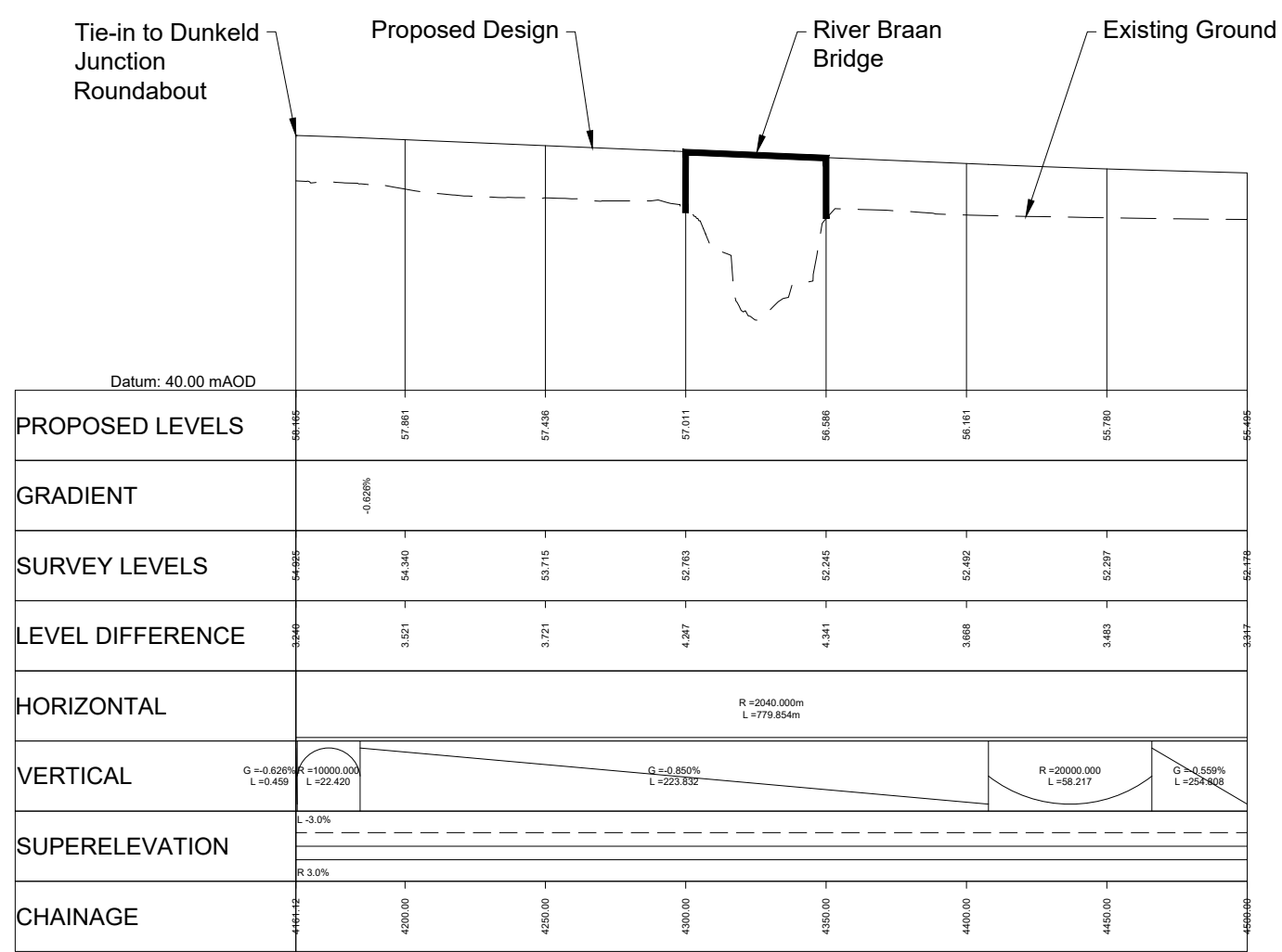
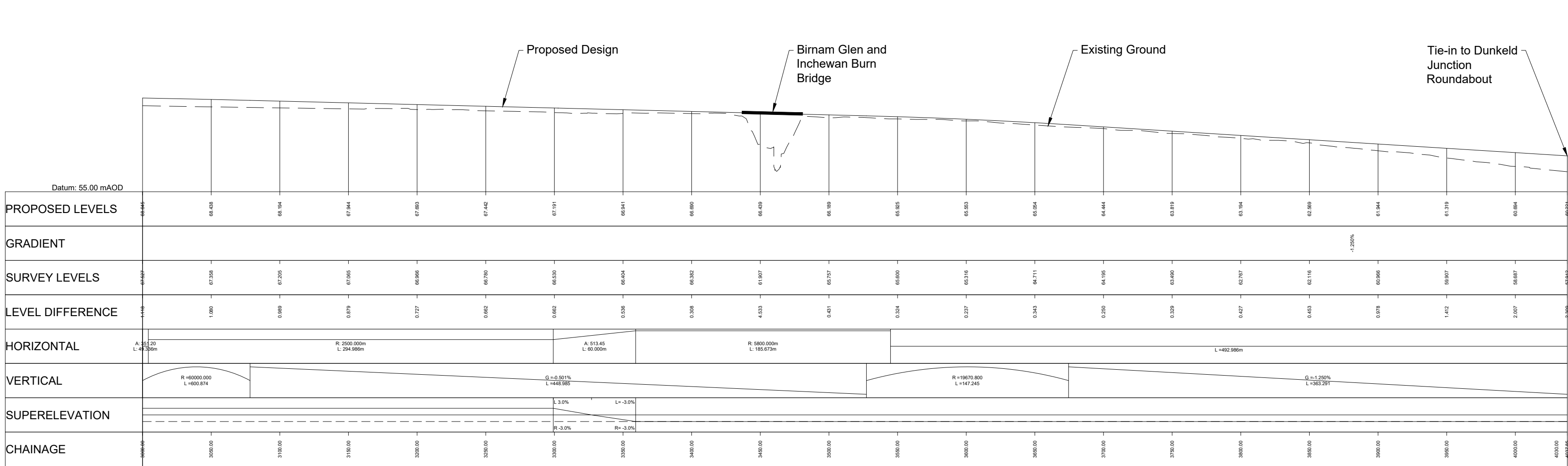
Drawing number: **A9P02**
Originator: **JAC**
Volume: **HML**
Location: **D_ML000_ML**
Type: **-DR**
Role: **-RD**
Number: **0001**

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- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line Railway



P01	23/11/18	ISSUED FOR INFORMATION	SA	LW	AB	AB
P02	26/08/19	ISSUED FOR INFORMATION	SA	DM	AB	AB
P03	20/08/24	ISSUED FOR INFORMATION	AW	AB	DK	MP
P04	02/05/25	ISSUED FOR INFORMATION	CK	AB	MP	MP
P05	19/05/25	FOR REVIEW AND COMMENT	DE	AB	DK	MP
P06	28/05/25	DMRB STAGE 3 REPORT - FINAL	DE	AB	DK	MP
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Designer:

Jacobs.

48 Watford St, Glasgow, G2 7AG
Tel: +44 (0)141 801 3000 Fax: +44 (0)141 221 0100
www.jacobs.co.uk



Drawing title

DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
PLAN AND PROFILES
CH. 3000 - CH. 4500

Drawing status

S4 - ISSUED FOR STAGE APPROVAL

State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	Rev
Jacobs No.	B2140002	P06
Client no.	TS/MTRIPS/SER/2013/03	

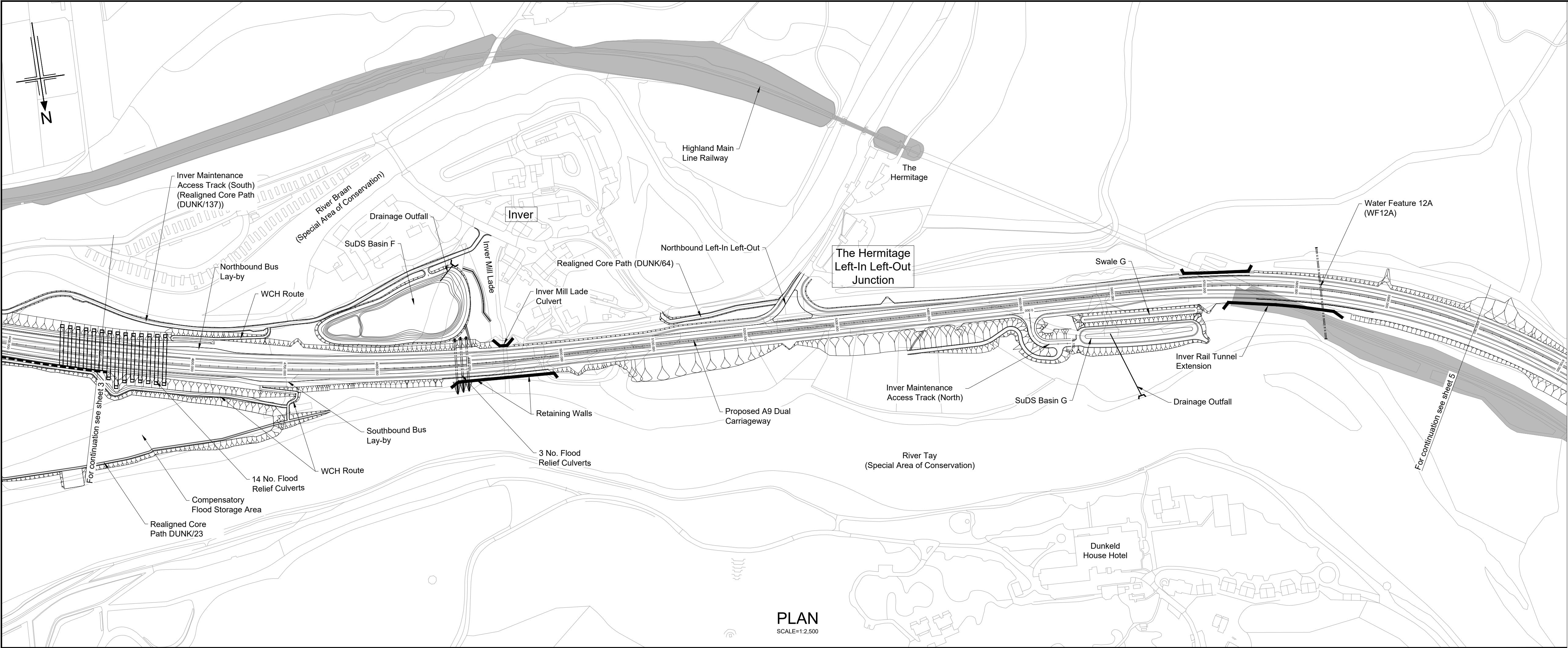
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A9P02 - JAC - HML -
D_ML030_ML -DR-RD-0003

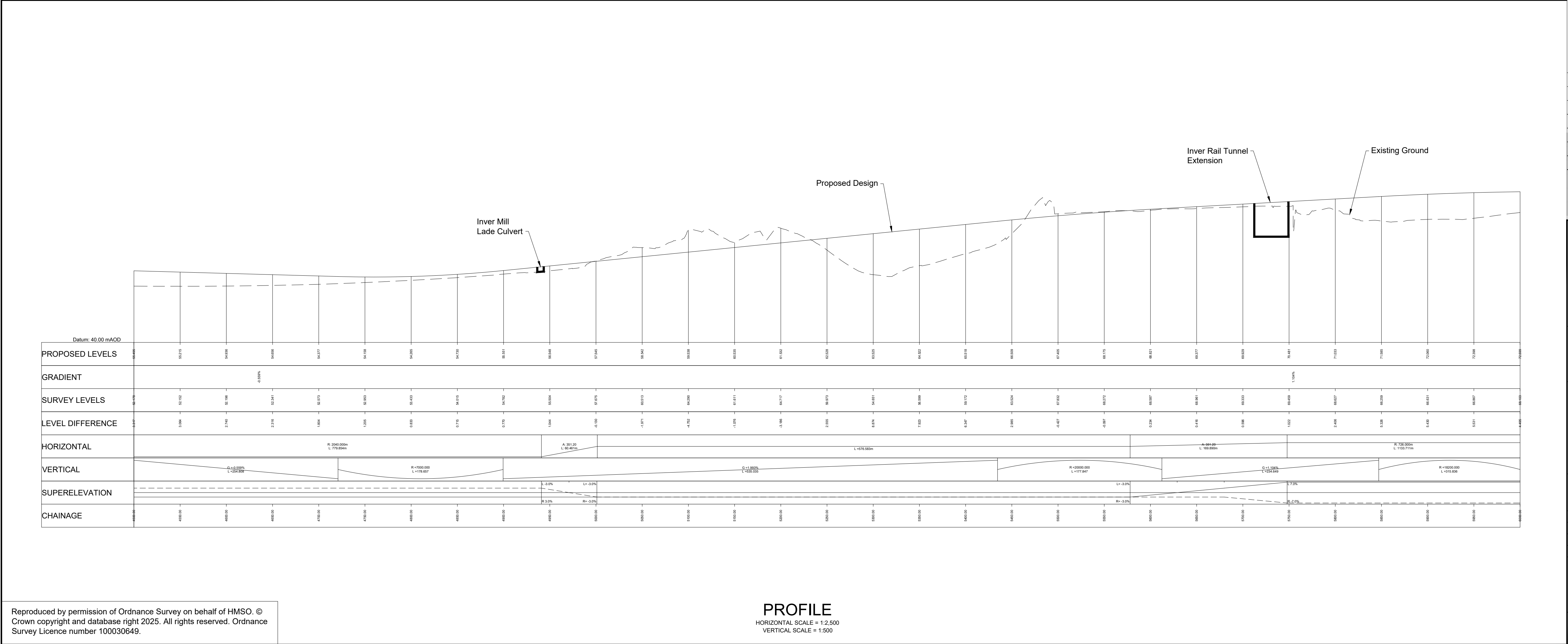
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PROFILES
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VERTICAL SCALE = 1:500

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- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line Railway



P01	23/11/18	ISSUED FOR INFORMATION	SA	LW	AB	AB
P02	26/08/19	ISSUED FOR INFORMATION	SA	DM	AB	AB
P03	20/08/24	ISSUED FOR INFORMATION	AW	AB	DK	MP
P04	02/05/25	ISSUED FOR INFORMATION	CK	AB	MP	MP
P05	19/05/25	FOR REVIEW AND COMMENT	DE	AB	DK	MP
P06	28/05/25	DMRB STAGE 3 REPORT - FINAL	DE	AB	DK	MP
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Designer:
Jacobs.
48 Watford St, Glasgow, G2 7AG
Tel: +44(0)141 92 3000 Fax: +44(0)141 221 0100
www.jacobs.co.uk



Drawing title
**DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
PLAN AND PROFILE
CH. 4500 - CH. 6000**

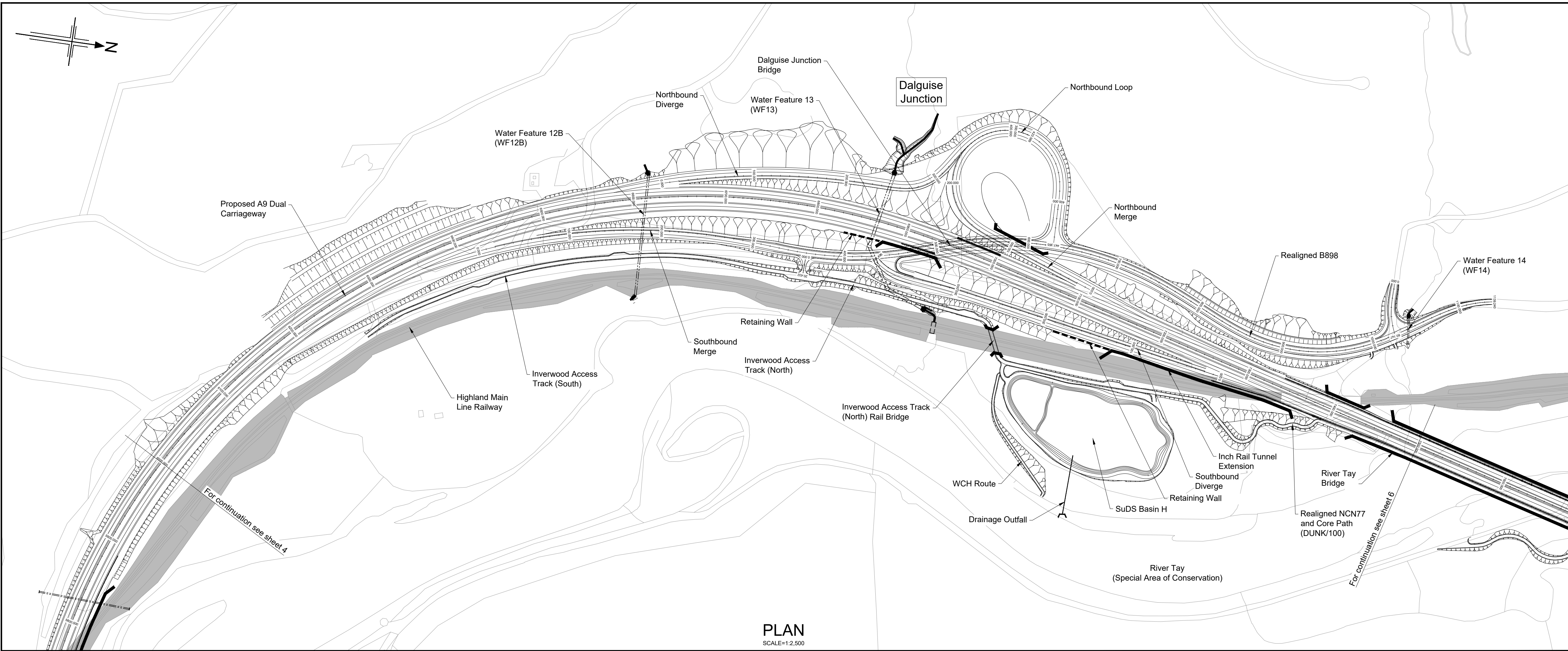
Drawing status
S4 - ISSUED FOR STAGE APPROVAL

State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	
Jacobs No.	B2140002	Rev P06
Client no.	TS/MTRIPS/SER/2013/03	

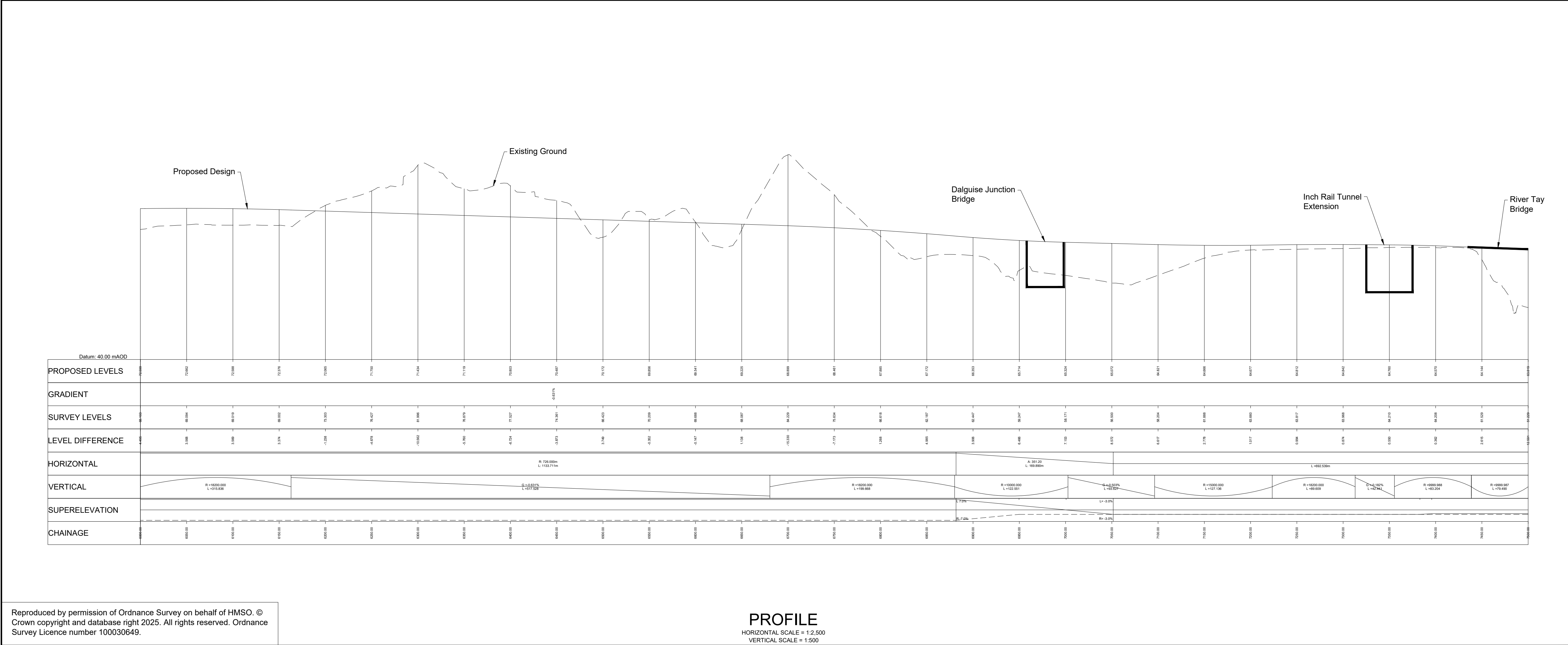
Drawing number	Originator	Volume
A9P02	JAC	HML
D ML045 ML	Location	DR-RD-0004

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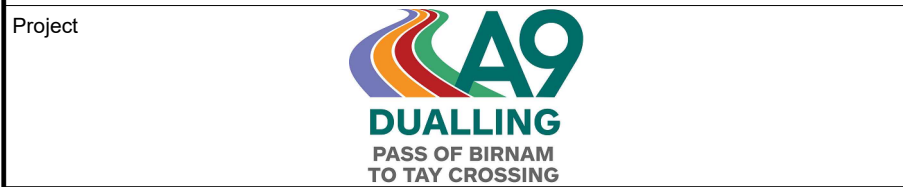


- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line Railway



P01	23/11/18	ISSUED FOR INFORMATION	SA	LW	AB	AB
P02	26/08/19	ISSUED FOR INFORMATION	SA	DM	AB	AB
P03	20/08/24	ISSUED FOR INFORMATION	AW	AB	DK	MP
P04	02/05/25	ISSUED FOR INFORMATION	CK	AB	MP	MP
P05	19/05/25	FOR REVIEW AND COMMENT	DE	AB	DK	MP
P06	28/05/25	DMRB STAGE 3 REPORT - FINAL	DE	AB	DK	MP
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Designer:
Jacobs.
48 Watford St, Glasgow, G2 7AG
Tel: +44(0)141 92 3000 Fax: +44(0)141 221 2100
www.jacobs.co.uk



Drawing title
**DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
PLAN AND PROFILE
CH. 6000 - CH. 7500**

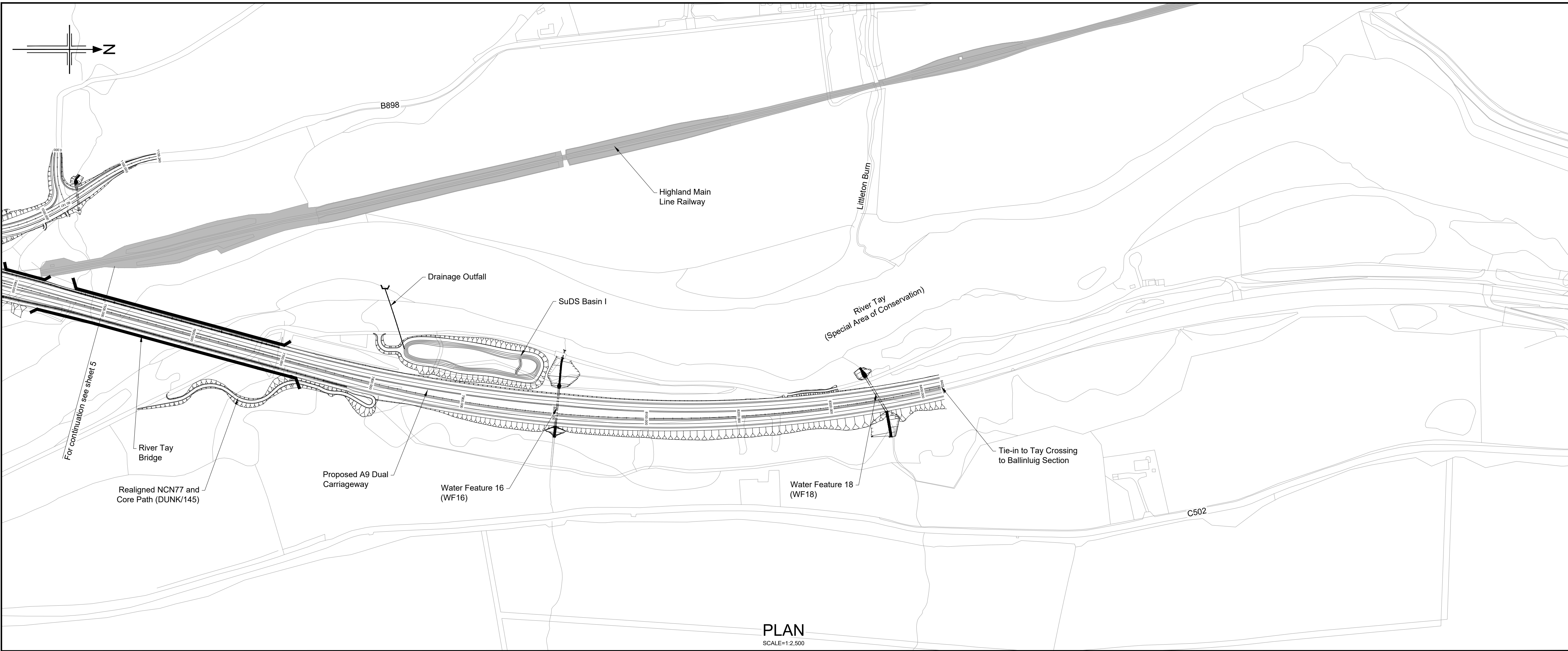
Drawing status
S4 - ISSUED FOR STAGE APPROVAL

State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	Rev
Jacobs No.	B2140002	P06
Client no.	TS/MTRIPS/SER/2013/03	

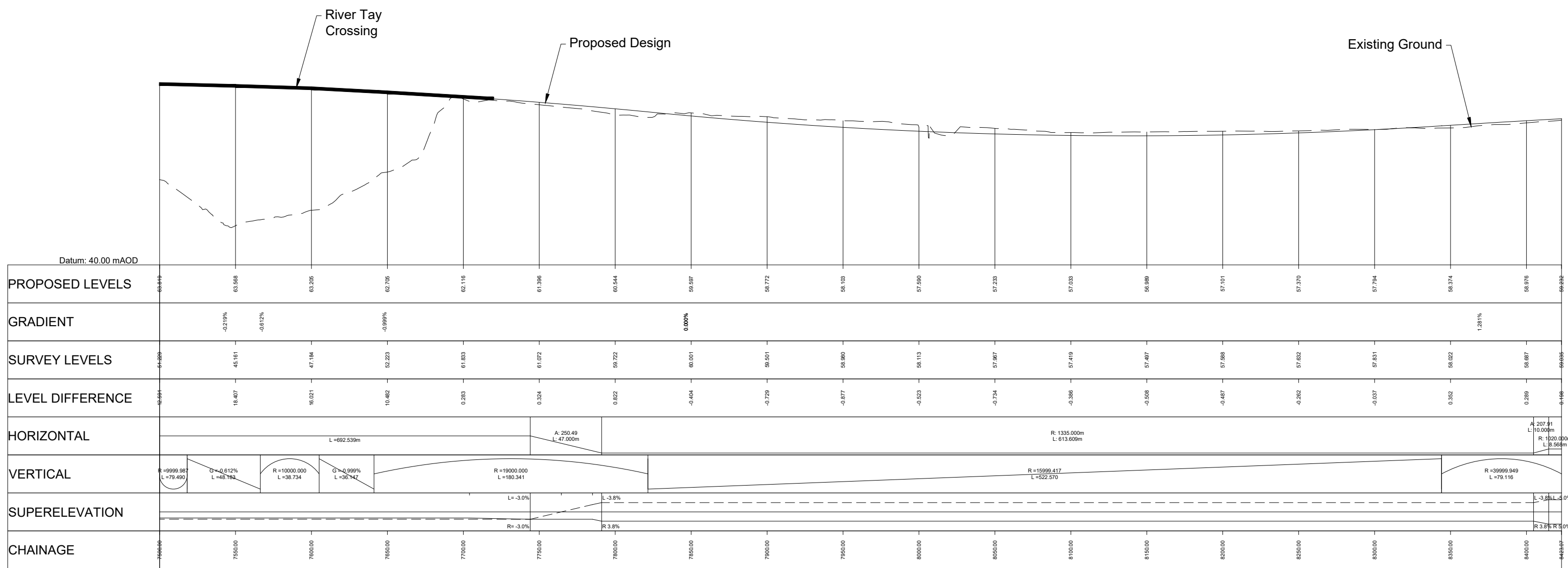
Drawing number	Originator	Volume
A9P02	JAC	HML-
D ML060 ML	Location	Typical Role Number
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- Legend:
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 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line Railway



P01	23/11/18	ISSUED FOR INFORMATION	SA	LW	AB	AB
P02	26/08/19	ISSUED FOR INFORMATION	SA	DM	AB	AB
P03	20/08/24	ISSUED FOR INFORMATION	AW	AB	DK	MP
P04	02/05/25	ISSUED FOR INFORMATION	CK	AB	MP	MP
P05	19/05/25	FOR REVIEW AND COMMENT	DE	AB	DK	MP
P06	28/05/25	DMRB STAGE 3 REPORT - FINAL	DE	AB	DK	MP
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Designer:

Jacobs.

Client



Project



Drawing title

DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
PLAN AND PROFILE
CH. 7500 - END

Drawing status

S4 - ISSUED FOR STAGE APPROVAL

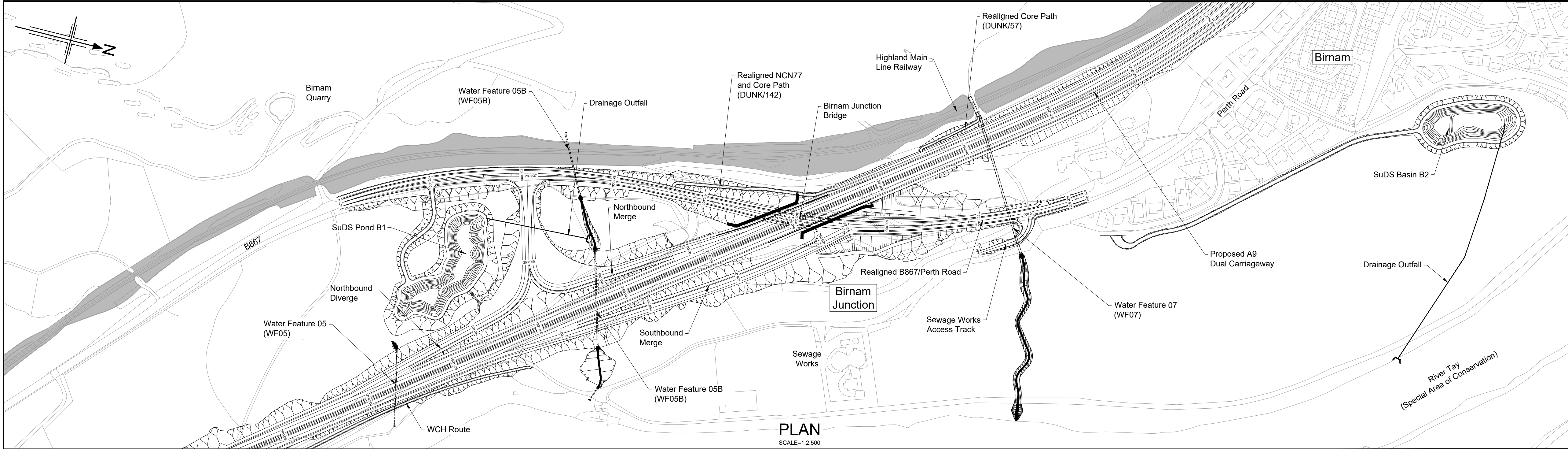
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Scale	AS SHOWN	
Jacobs No.	B2140002	Rev
Client no.	TS/MTRIPS/SER/2013/03	P06

Drawing number	Originator	Volume
A9P02	JAC	HML-
D_ML075_ML	Location	Typical Role Number
		-DR-RD-0006

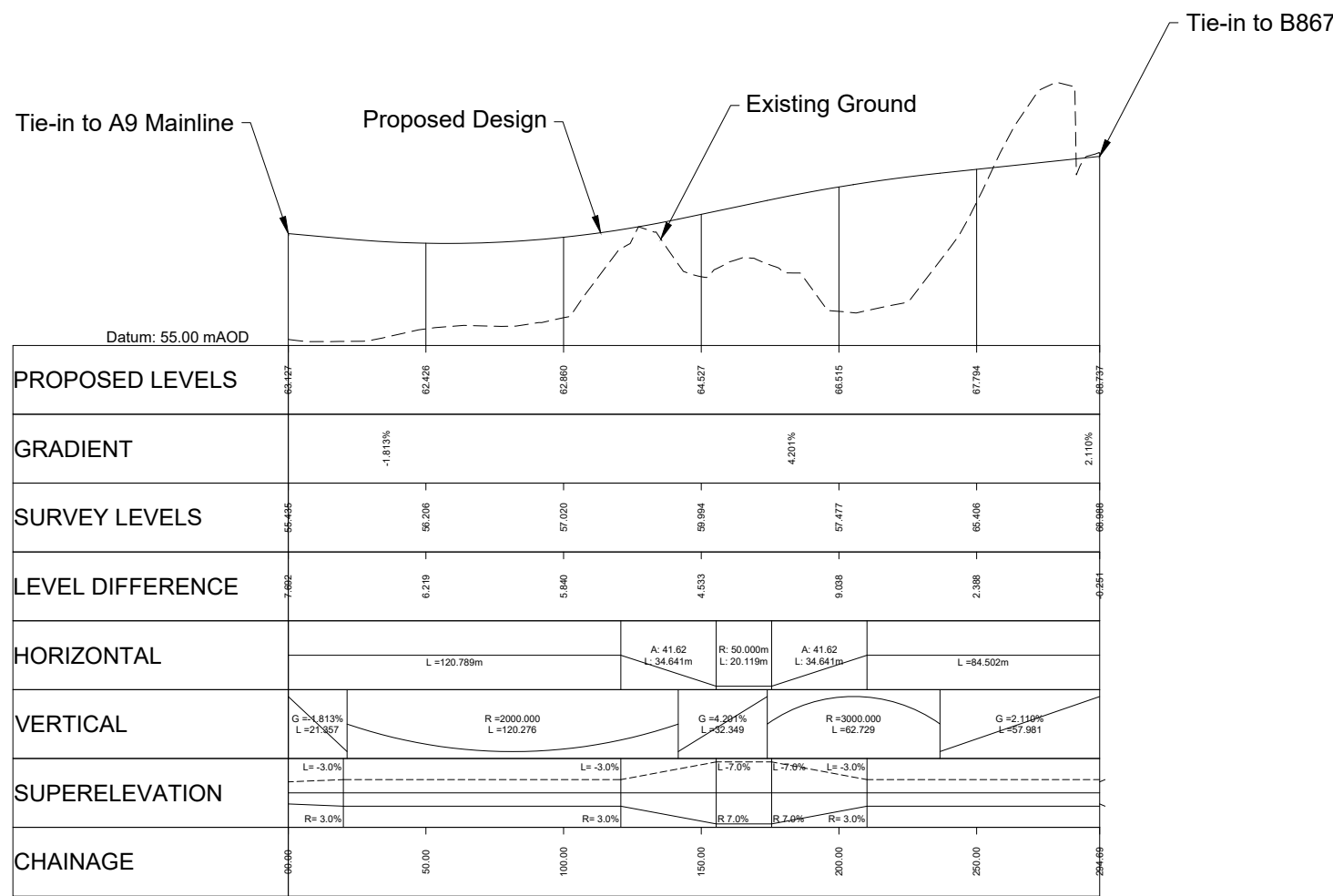
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PROFILE
HORIZONTAL SCALE = 1:2,500
VERTICAL SCALE = 1:500

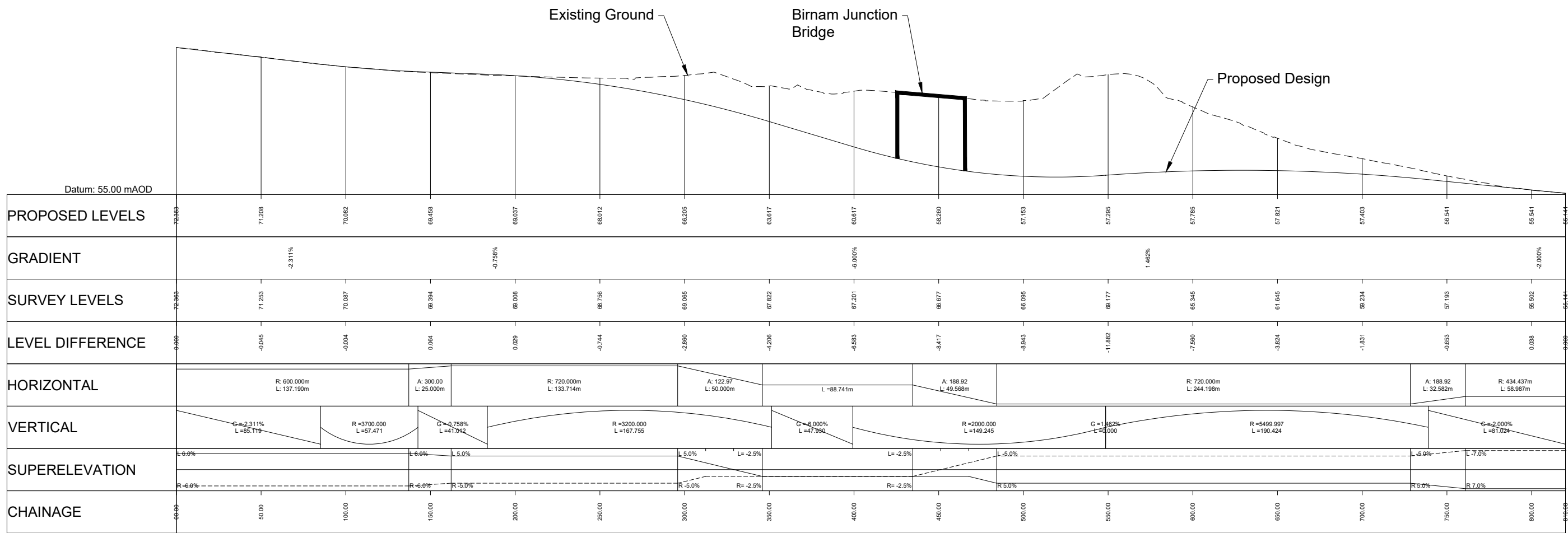
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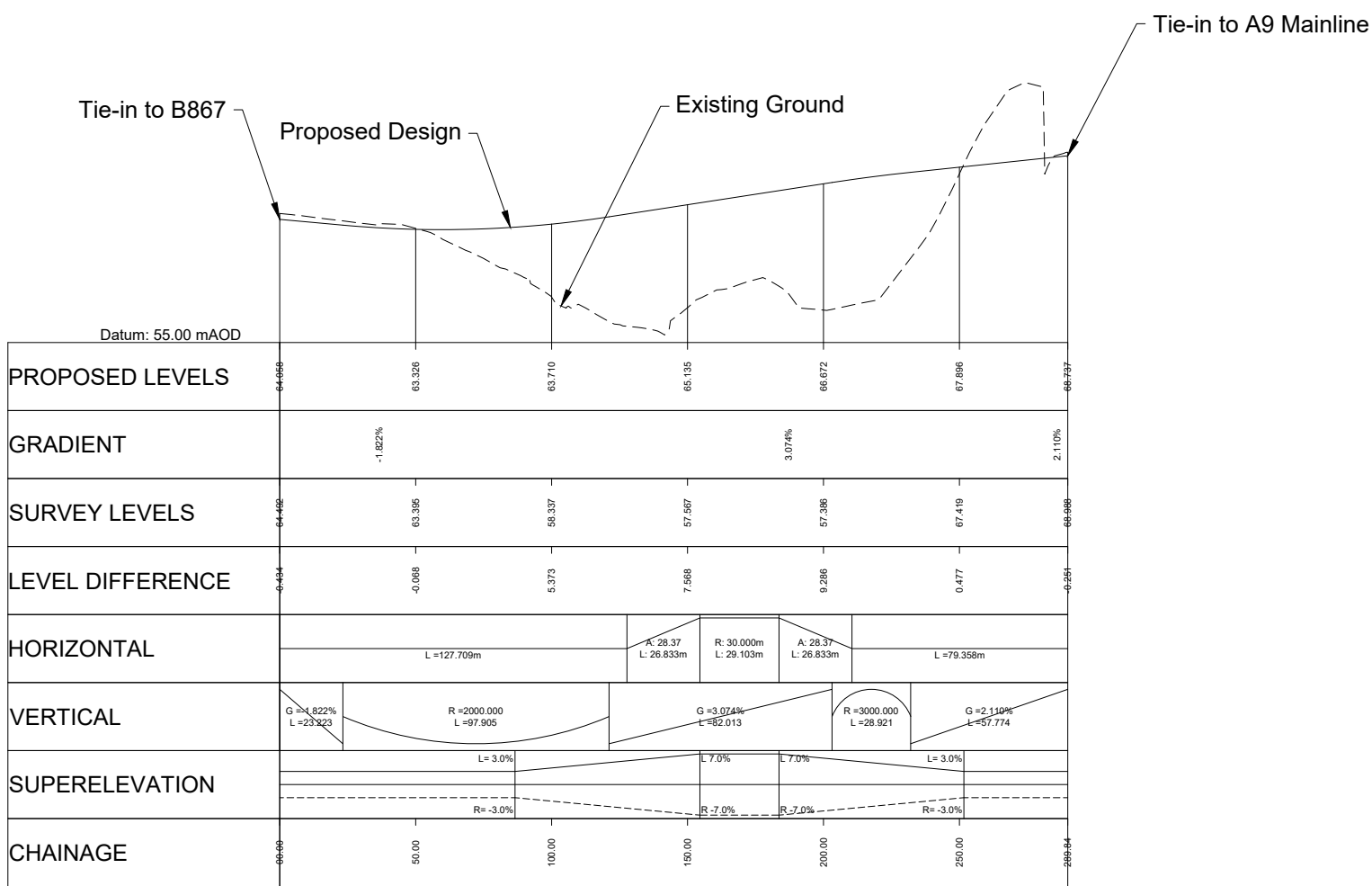
- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line Railway



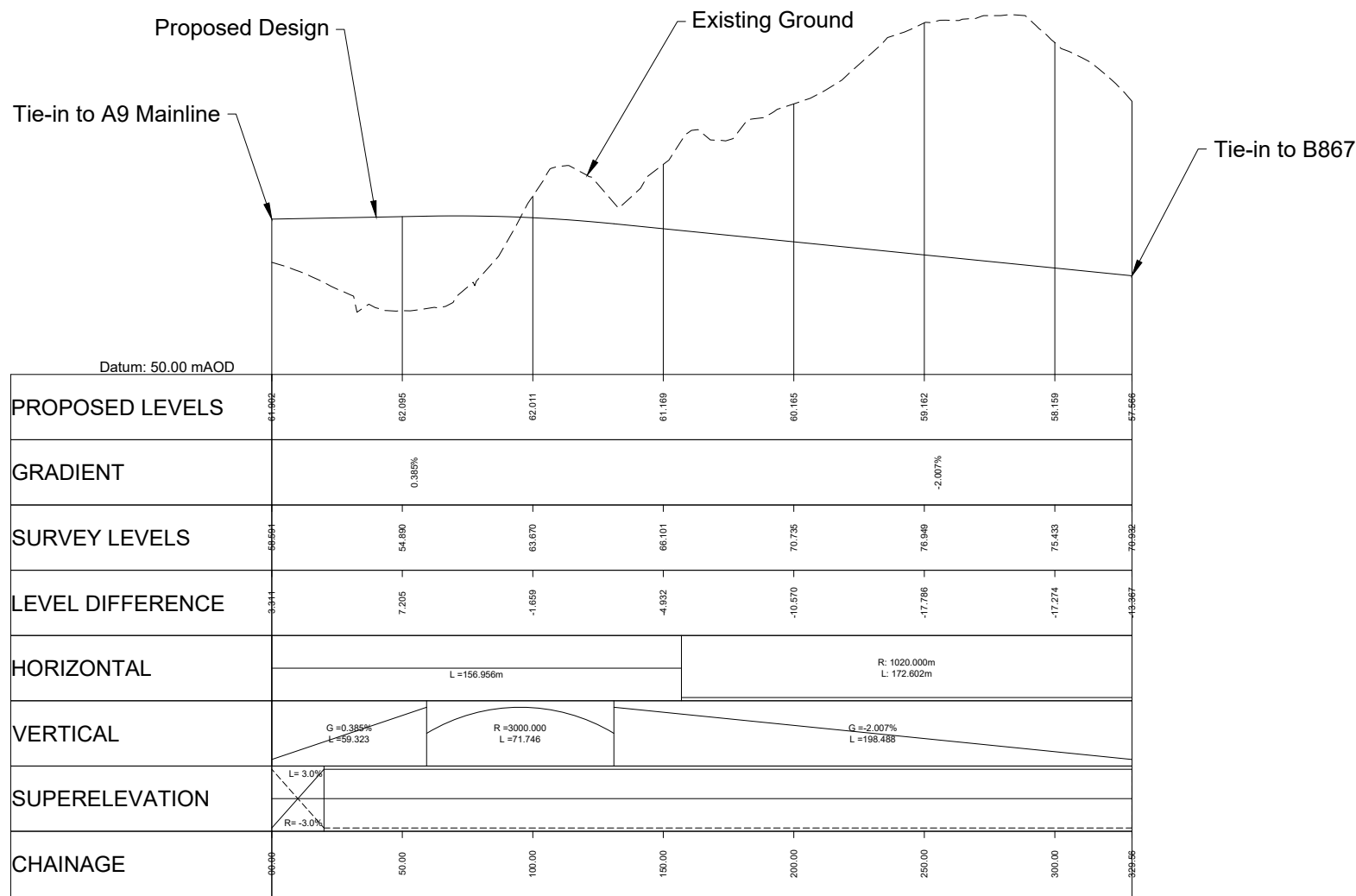
Birnam Junction
Northbound Diverge



Birnam Junction
Realigned B867/Perth Road



Birnam Junction
Northbound Merge



Birnam Junction
Southbound Merge

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PROFILES
HORIZONTAL SCALE = 1:2,500
VERTICAL SCALE = 1:500

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	20/08/24	ISSUED FOR INFORMATION	AW	AB	DK	MP
P02	02/05/25	ISSUED FOR INFORMATION	CK	AB	MP	MP
P03	19/05/25	FOR REVIEW AND COMMENT	DE	AB	DK	MP
P04	28/05/25	DMRB STAGE 3 REPORT - FINAL	DE	AB	DK	MP

Designer:

Jacobs.

Client



Project



Drawing title

DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
PLAN AND PROFILES
BIRNAM JUNCTION

Drawing status

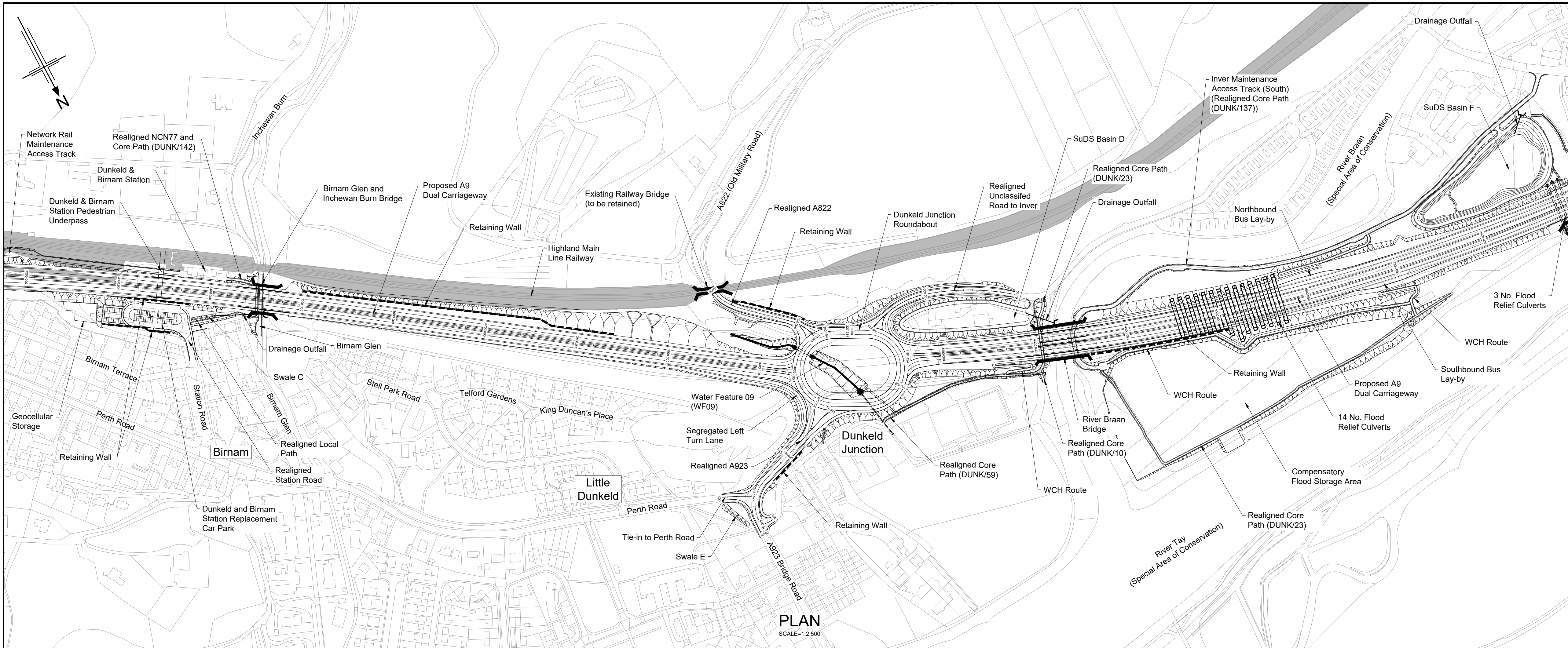
S4 - ISSUED FOR STAGE APPROVAL

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Scale	AS SHOWN	
Jacobs No.	B2140002	Rev P04
Client no.	TS/MTRIPS/SER/2013/03	

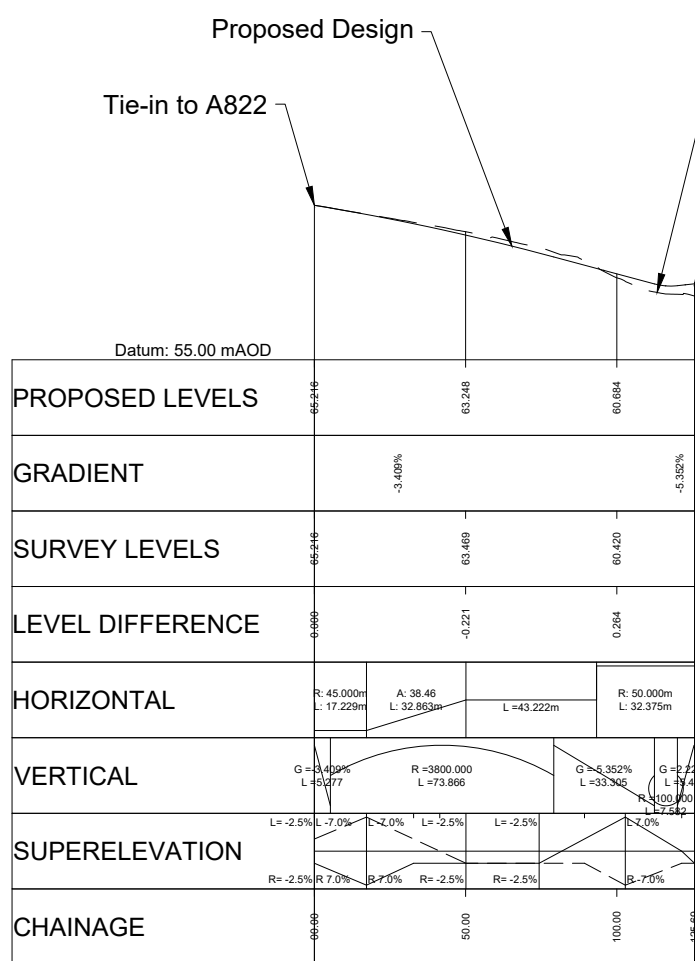
Drawing number

A9P02 - JAC - HML -
D_JC01A_JC -DR-RD-0001

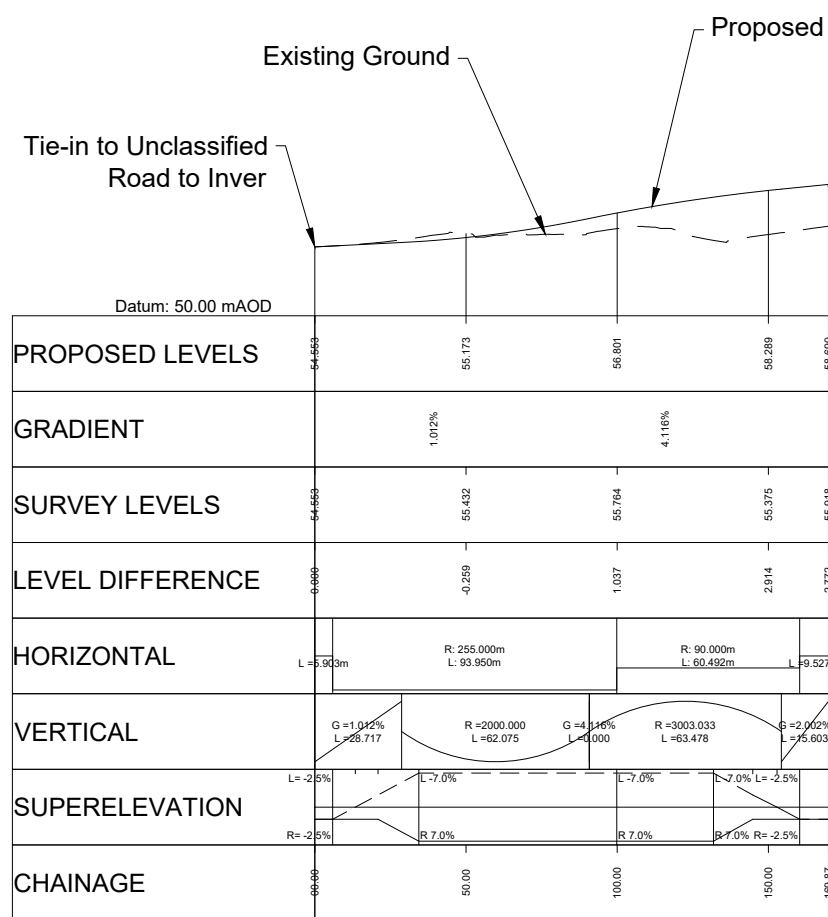
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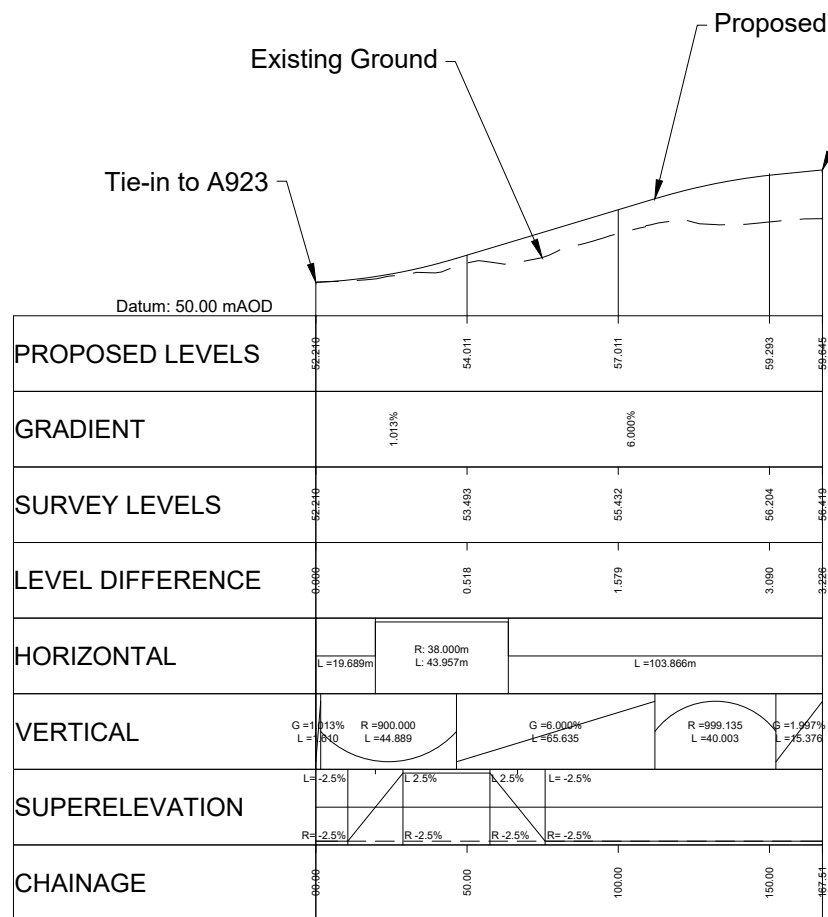
- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line Railway



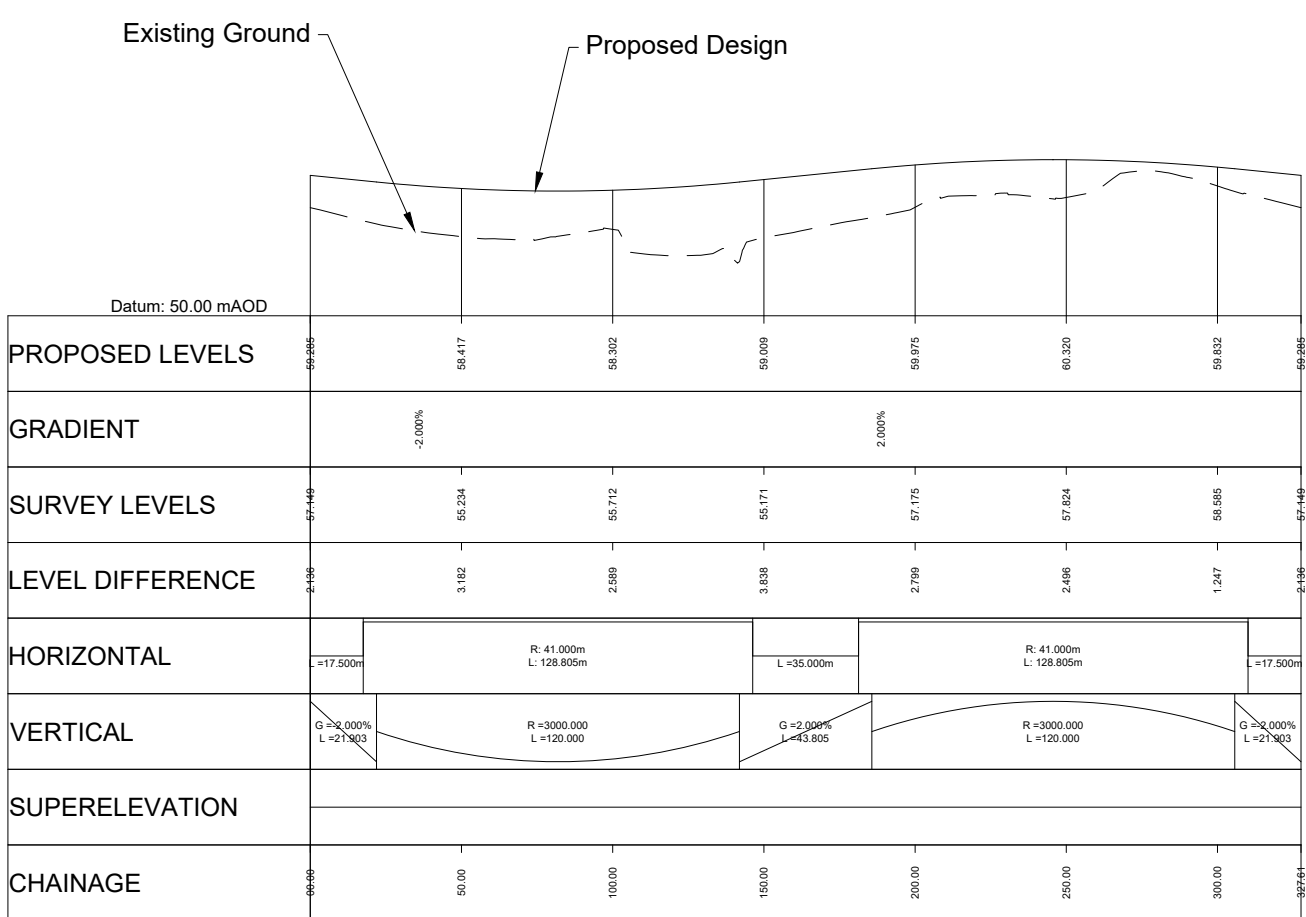
Dunkeld Junction
Realigned A822



Dunkeld Junction
Realigned Unclassified Road to Inver



Dunkeld Junction
Realigned A923



Dunkeld Junction
Roundabout

PROFILES

HORIZONTAL SCALE = 1:2,500
VERTICAL SCALE = 1:500

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Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	20/08/24	ISSUED FOR INFORMATION	AW	AB	DK	MP
P02	02/05/25	ISSUED FOR INFORMATION	CK	AB	MP	MP
P03	19/05/25	FOR REVIEW AND COMMENT	DE	AB	DK	MP
P04	28/05/25	DMRB STAGE 3 REPORT - FINAL	DE	AB	DK	MP

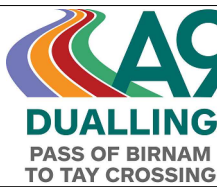
Designer:

Jacobs.

Client



Project



Drawing title

DMRB STAGE 3 PASS OF BIRNAM TO TAY CROSSING PLAN AND PROFILES DUNKELD JUNCTION

Drawing status

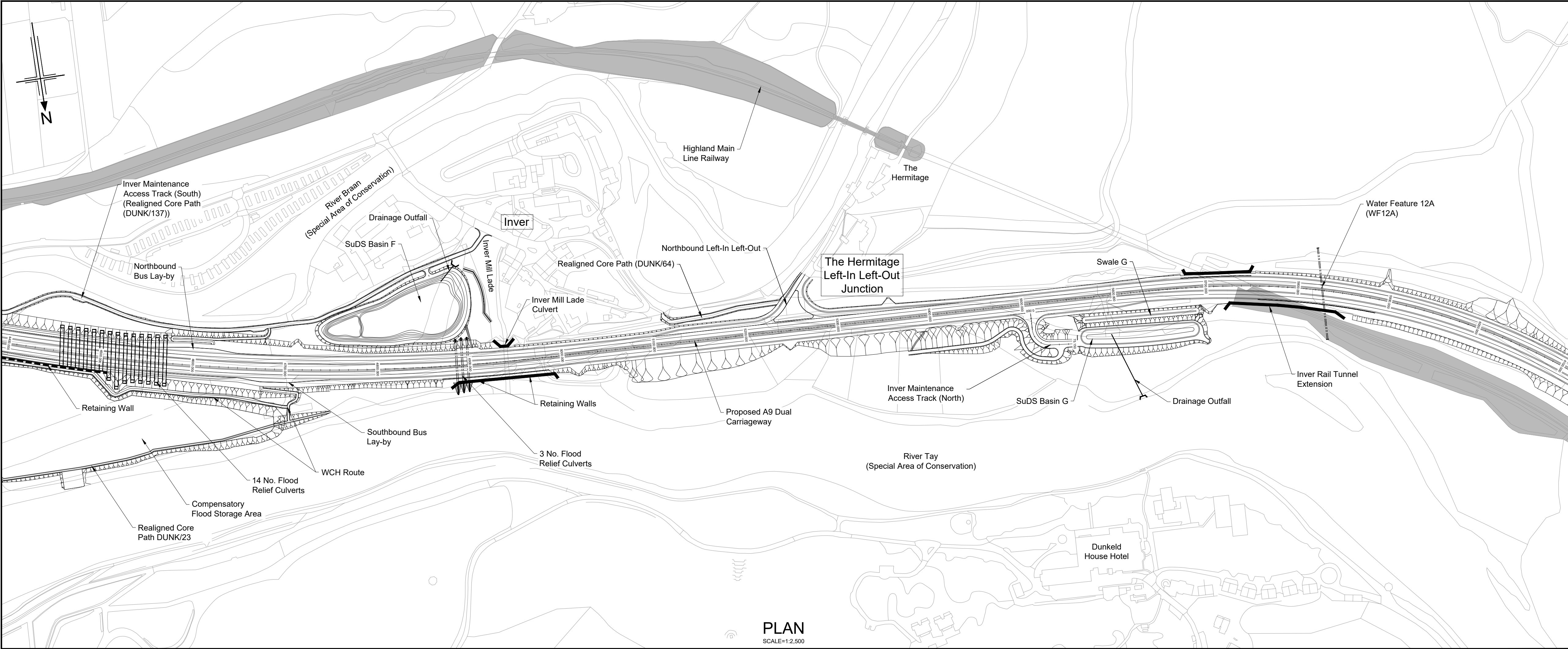
S4 - ISSUED FOR STAGE APPROVAL

State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	
Jacobs No.	B2140002	Rev P04
Client no.	TS/MTRIPS/SER/2013/03	

Drawing number

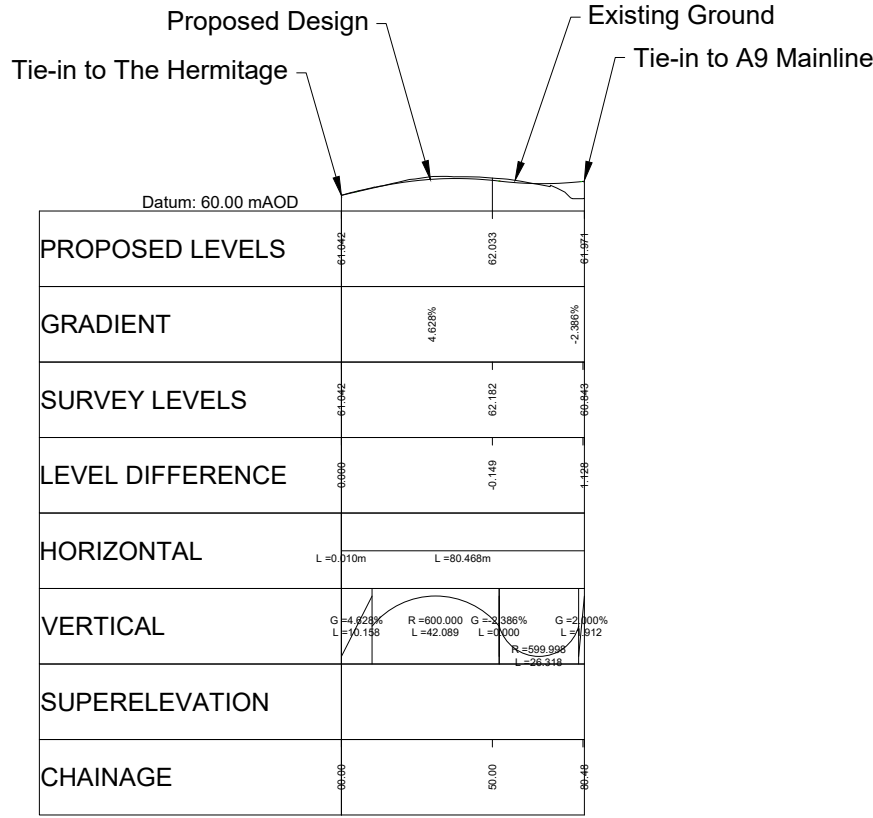
A9P02 - JAC - HML -
D_JC02A_JC -DR-RD-0001

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- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line Railway

PLAN
SCALE=1:2,500



The Hermitage Junction

PROFILE
HORIZONTAL SCALE = 1:2,500
VERTICAL SCALE = 1:500

P01	20/08/24	ISSUED FOR INFORMATION	AW	AB	DK	MP
P02	02/05/25	ISSUED FOR INFORMATION	CK	AB	MP	MP
P03	19/05/25	FOR REVIEW AND COMMENT	DE	AB	DK	MP
P04	28/05/25	DMRB STAGE 3 REPORT - FINAL	DE	AB	DK	MP
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Designer:
Jacobs.
48 Redwood St, Glasgow, G2 7JG
Tel: +44 (0)141 801 5000 Fax: +44 (0)141 221 0100
www.jacobs.co.uk

Client
TRANSPORT SCOTLAND
COMHDAIL ALBA

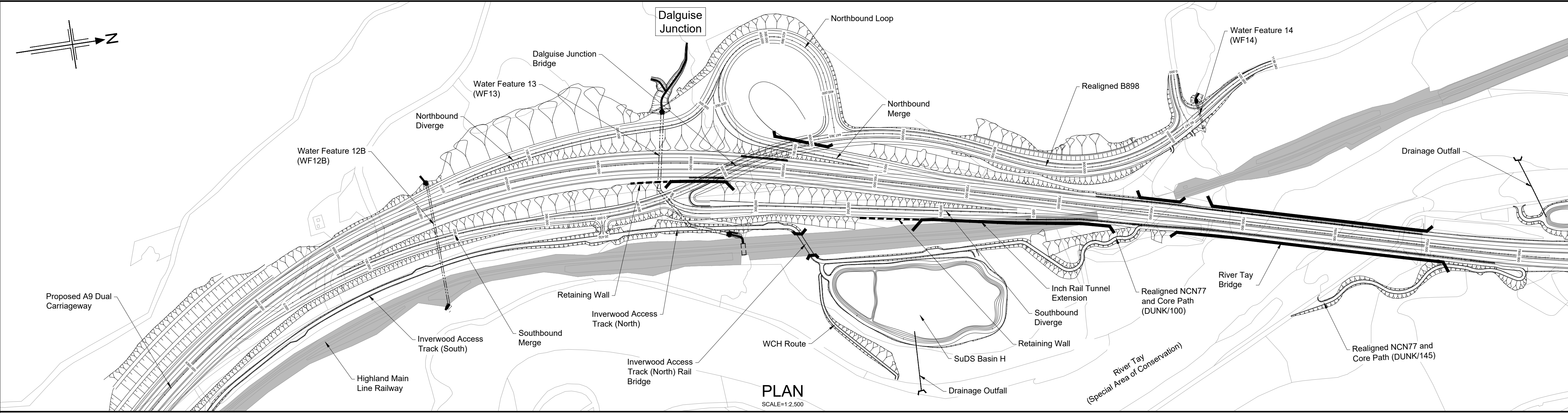
Project
A9 DUALING
PASS OF BIRNAM TO TAY CROSSING

Drawing title
**DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
PLAN AND PROFILE
THE HERMITAGE JUNCTION**

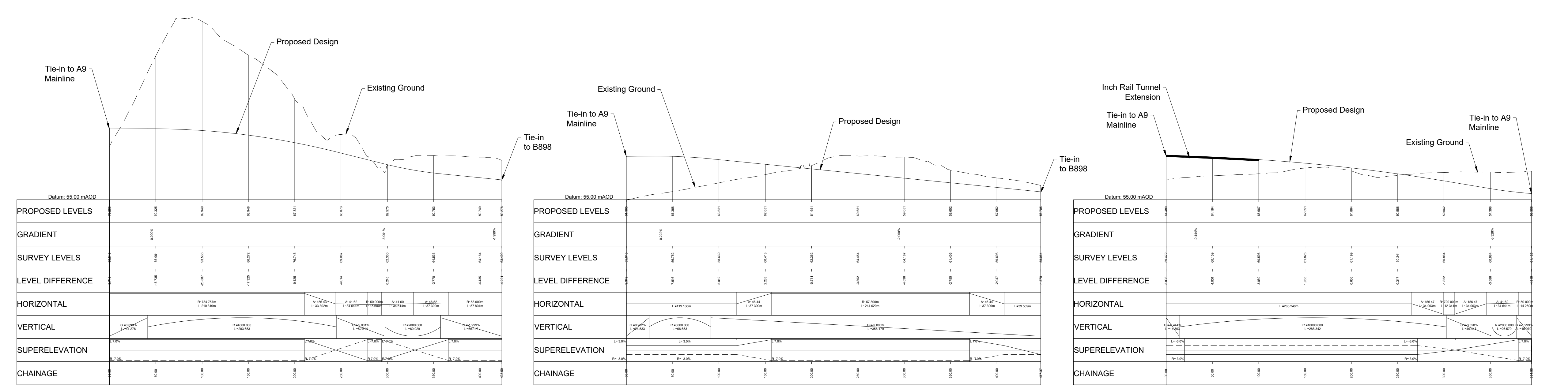
Drawing status
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Drawing number
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D_JC03A_JC -DR-RD-0001



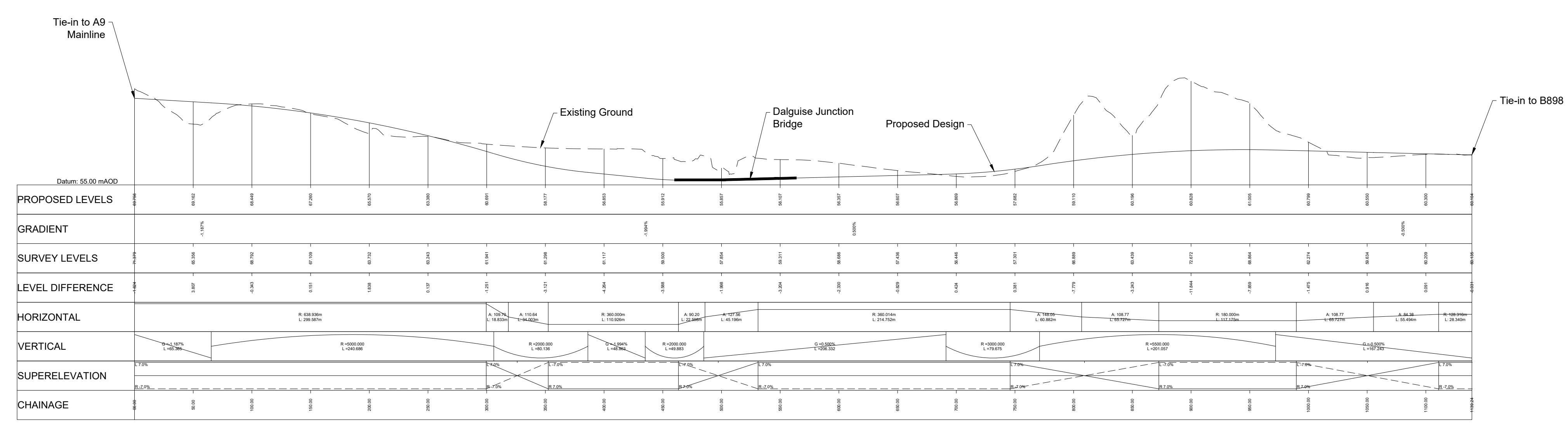
- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line Railway



Dalguise Junction
Northbound Diverge

Dalguise Junction
Northbound Merge

Dalguise Junction
Southbound Diverge



Dalguise Junction Southbound Merge (Ch. 0 - Ch. 227)
and B898 (Ch. 227 - End)

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PROFILES
HORIZONTAL SCALE = 1:2,500
VERTICAL SCALE = 1:500

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	20/08/24	ISSUED FOR INFORMATION	AW	AB	DK	MP
P02	02/05/25	ISSUED FOR INFORMATION	CK	AB	MP	MP
P03	19/05/25	FOR REVIEW AND COMMENT	DE	AB	DK	MP
P04	28/05/25	DMRB STAGE 3 REPORT - FINAL	DE	AB	DK	MP

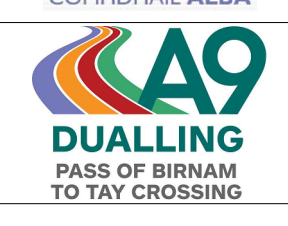
Designer:

Jacobs.

Client



Project



Drawing title

DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
PLAN AND PROFILES
DALGUISE JUNCTION

Drawing status

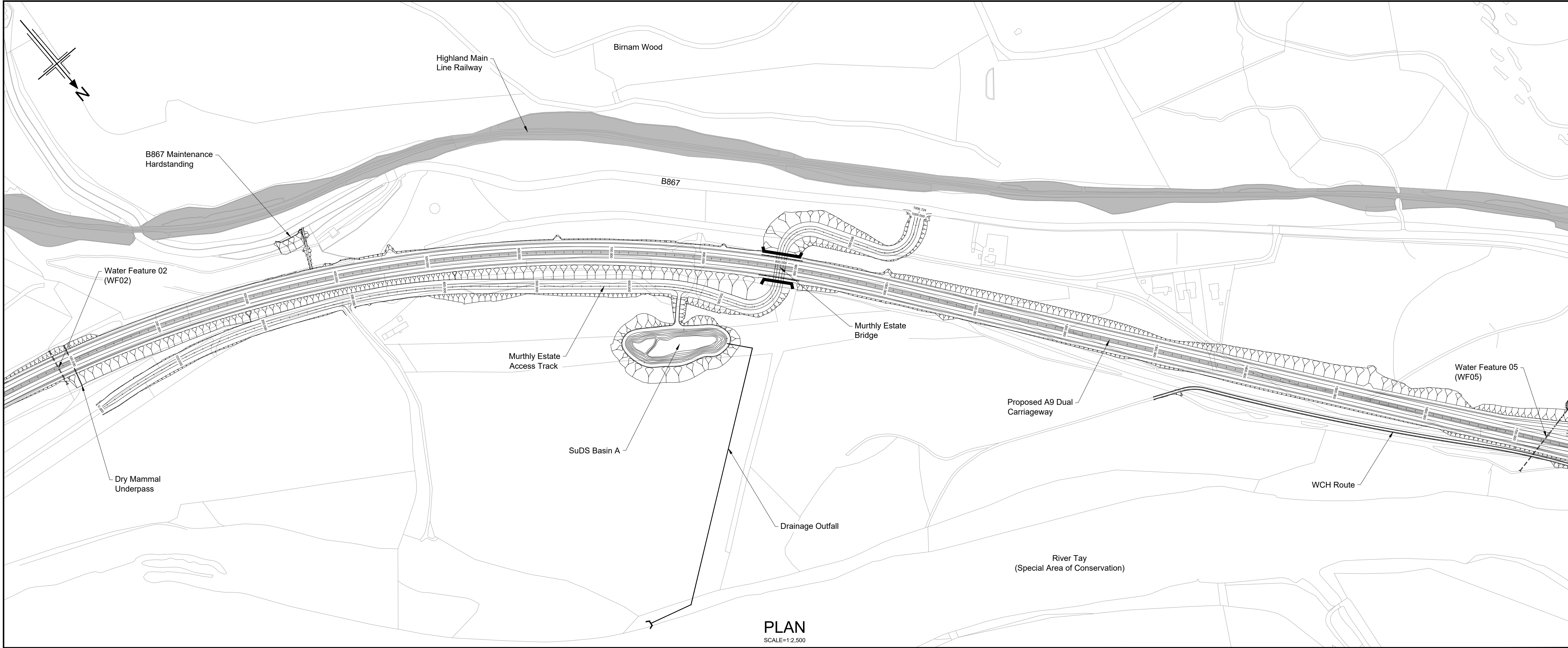
S4 - ISSUED FOR STAGE APPROVAL

State	Construction	DO NOT SCALE
Scale	AS SHOWN	Rev
Jacobs No.	B2140002	P04
Client no.	TS/MTRIPS/SER/2013/03	

Drawing number

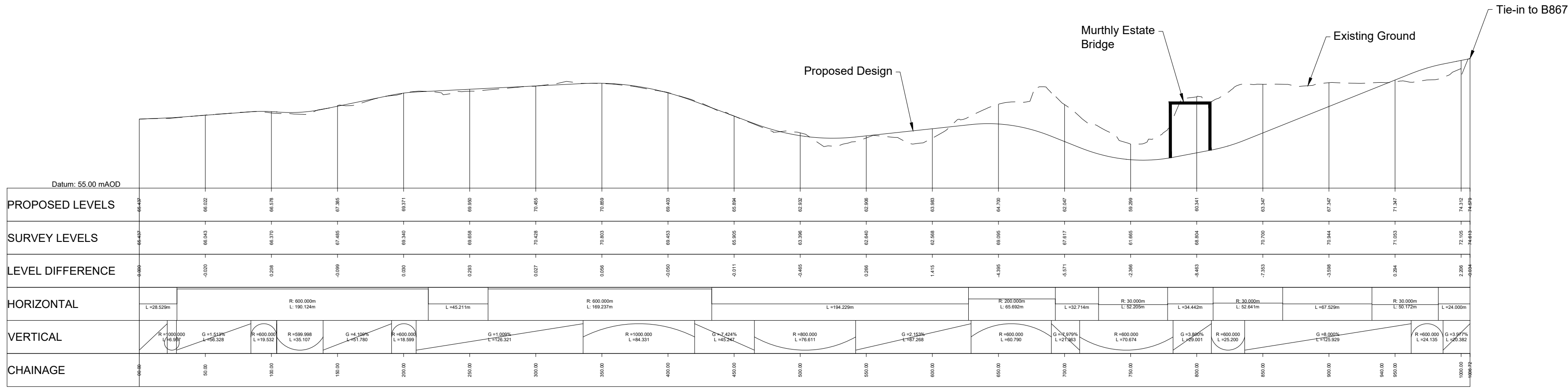
A9P02 - JAC - HML -
D_JC04A_JC -DR-RD-0001

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 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line Railway

PLAN
SCALE=1:2,500



Murthly Estate Access Track

PROFILE
HORIZONTAL SCALE = 1:2,500
VERTICAL SCALE = 1:500

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	20/08/24	ISSUED FOR INFORMATION	AW	AB	DK	MP
P02	19/05/25	FOR REVIEW AND COMMENT	DE	AB	DK	MP
P03	28/05/25	DMRB STAGE 3 REPORT - FINAL	DE	AB	DK	MP

Designer:
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Tel: +44(0)141 92 3000 Fax: +44(0)141 221 0100
www.jacobs.co.uk

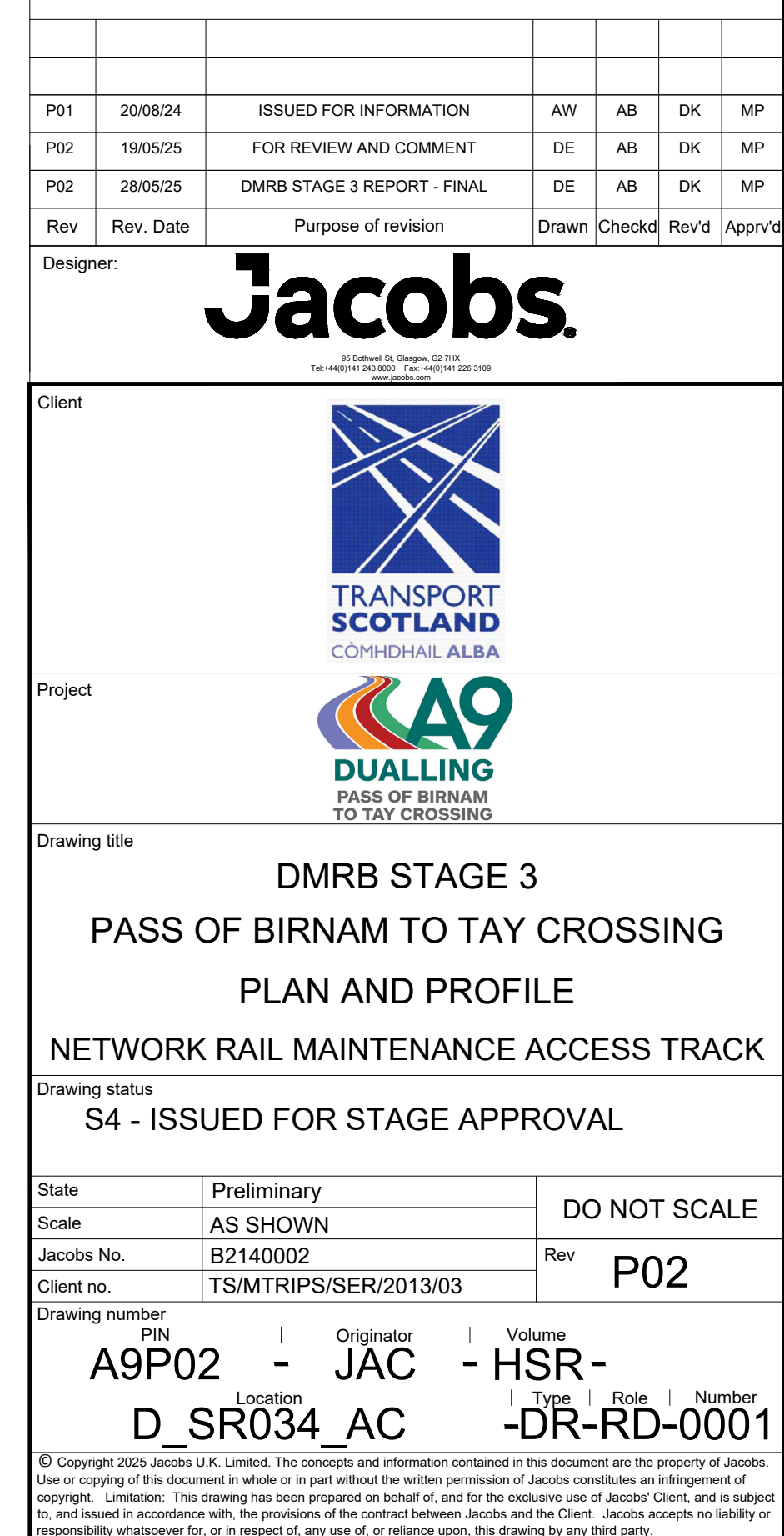


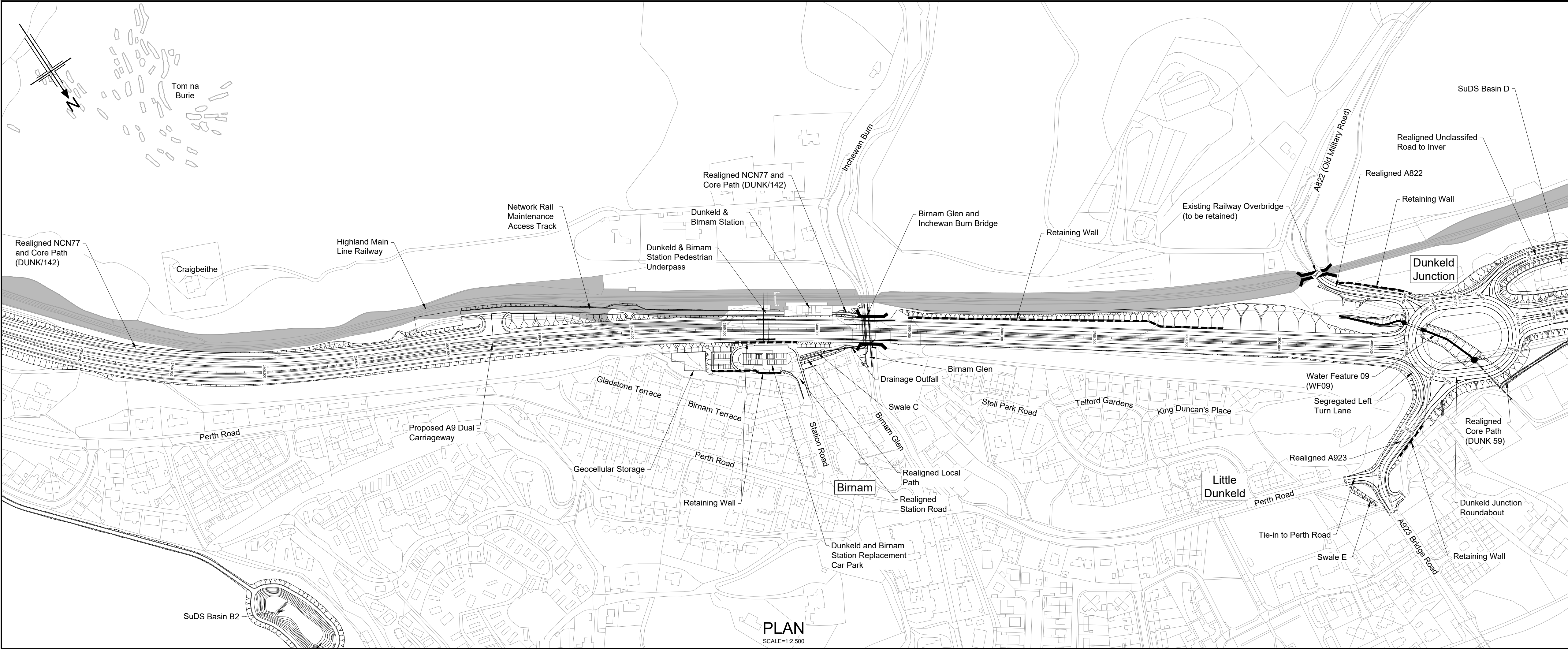
Drawing title
**DMRB STAGE 3
PASS OF BIRNHAM TO TAY CROSSING
PLAN AND PROFILE
MURTHLY ESTATE ACCESS TRACK**

Drawing status
S4 - ISSUED FOR STAGE APPROVAL

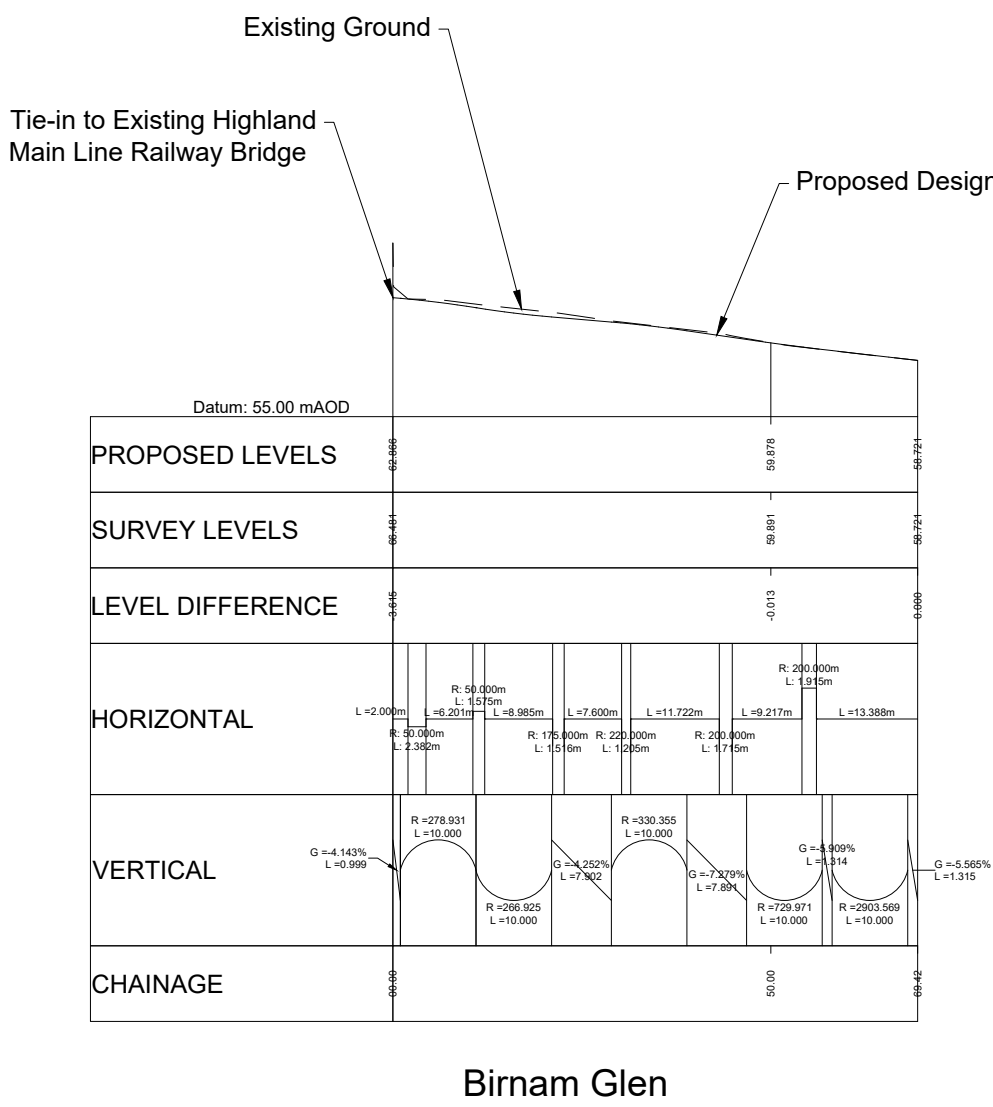
State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	
Jacobs No.	B2140002	Rev
Client no.	TS/MTRIPS/SER/2013/03	P03

Drawing number
P01
A9P02 - JAC - HSR -
Location
D_SR001_AC -DR-RD-0001



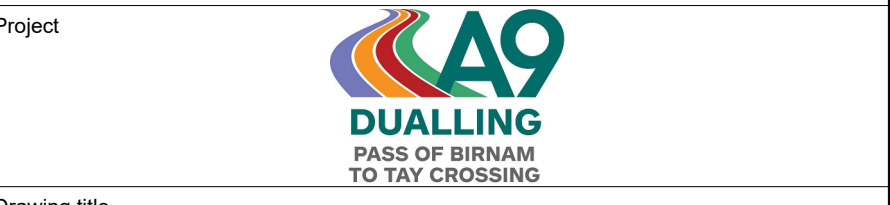


- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line Railway



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
P01	20/08/24	ISSUED FOR INFORMATION	AW	AB	DK	MP
P02	19/05/25	FOR REVIEW AND COMMENT	DE	AB	DK	MP
P03	28/05/25	DMRB STAGE 3 REPORT - FINAL	DE	AB	DK	MP

Designer: **Jacobs.**



Drawing title
**DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
PLAN AND PROFILE
BIRNAM GLEN**

Drawing status
S4 - ISSUED FOR STAGE APPROVAL

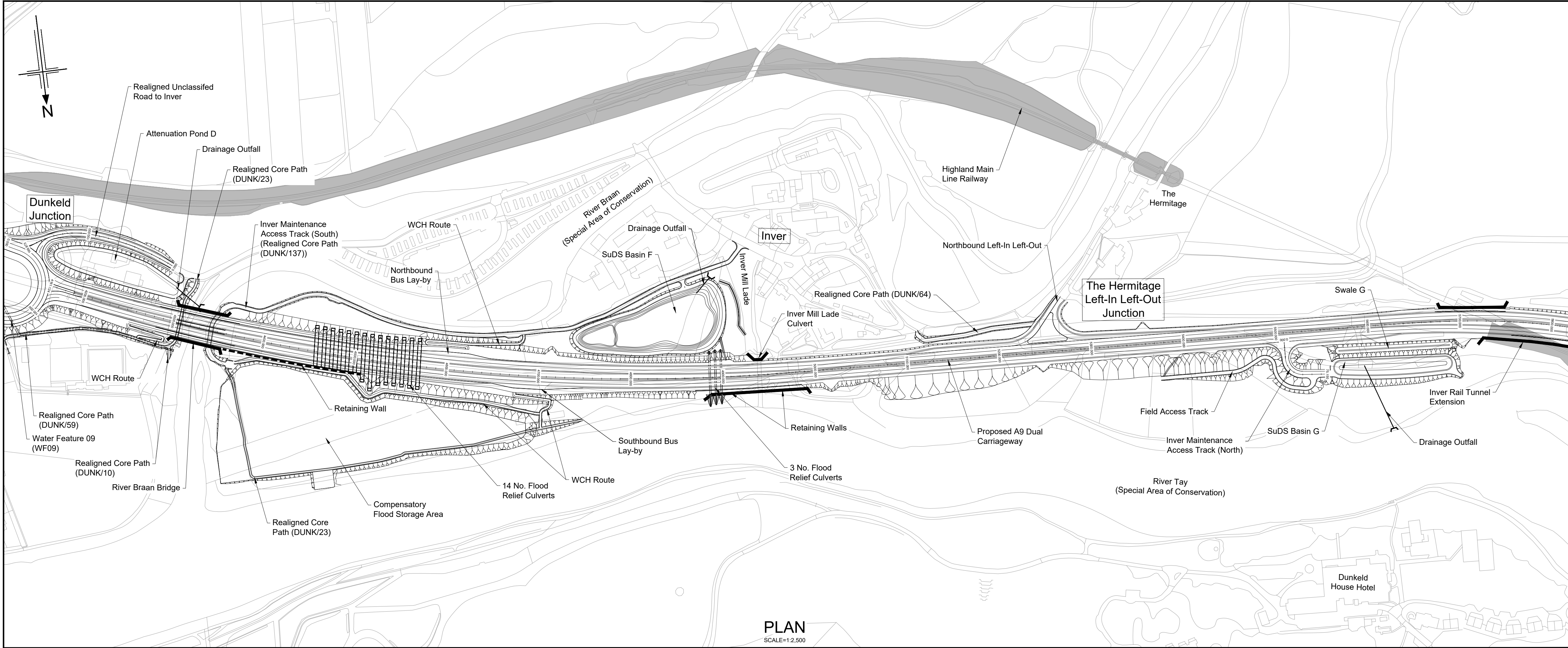
State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	
Jacobs No.	B2140002	Rev P03
Client no.	TS/MTRIPS/SER/2013/03	

Drawing number
A9P02 - JAC - HSR - D_SR034 SR -DR-RD-0001

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PROFILE
HORIZONTAL SCALE = 1:1000
VERTICAL SCALE = 1:500

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- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line Railway

PLAN
SCALE=1:2,500

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	20/08/24	ISSUED FOR INFORMATION	AW	AB	DK	MP
P01	19/05/25	FOR REVIEW AND COMMENT	DE	AB	DK	MP
P02	28/05/25	DMRB STAGE 3 REPORT - FINAL	DE	AB	DK	MP

Designer:
Jacobs.
48 Belford St, Glasgow, G2 7AG
Tel: +44(0)141 90 3000 Fax: +44(0)141 221 0100
www.jacobs.co.uk



Drawing title
**DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
PLAN AND PROFILES
INVER MAINTENANCE ACCESS TRACK**

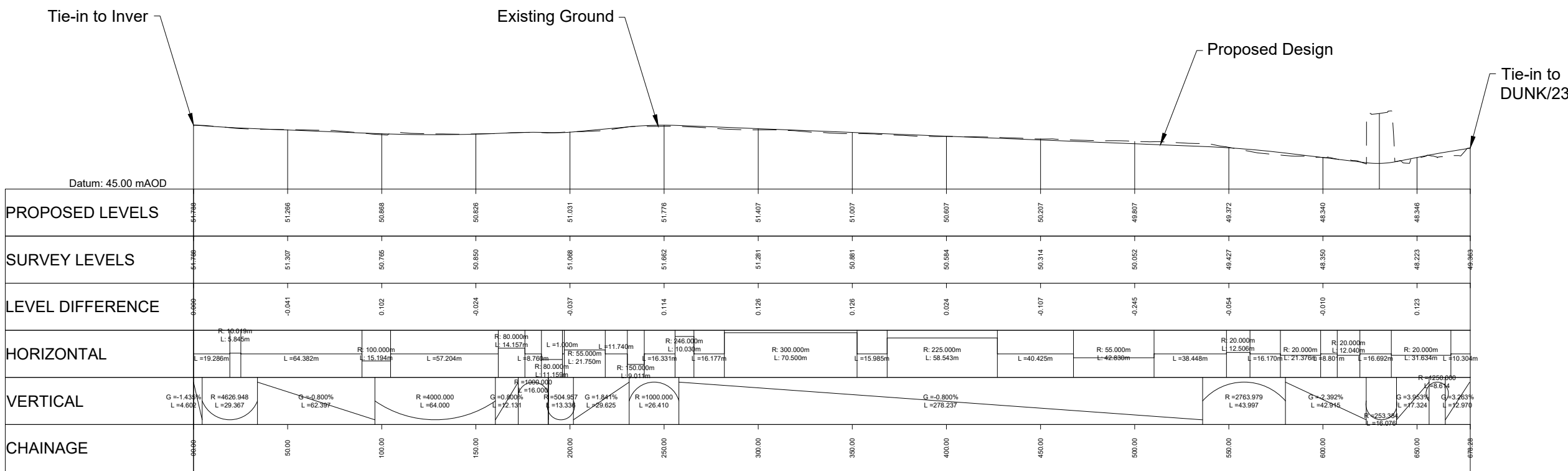
Drawing status
S4 - ISSUED FOR STAGE APPROVAL

State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	
Jacobs No.	B2140002	Rev P02
Client no.	TS/MTRIPS/SER/2013/03	

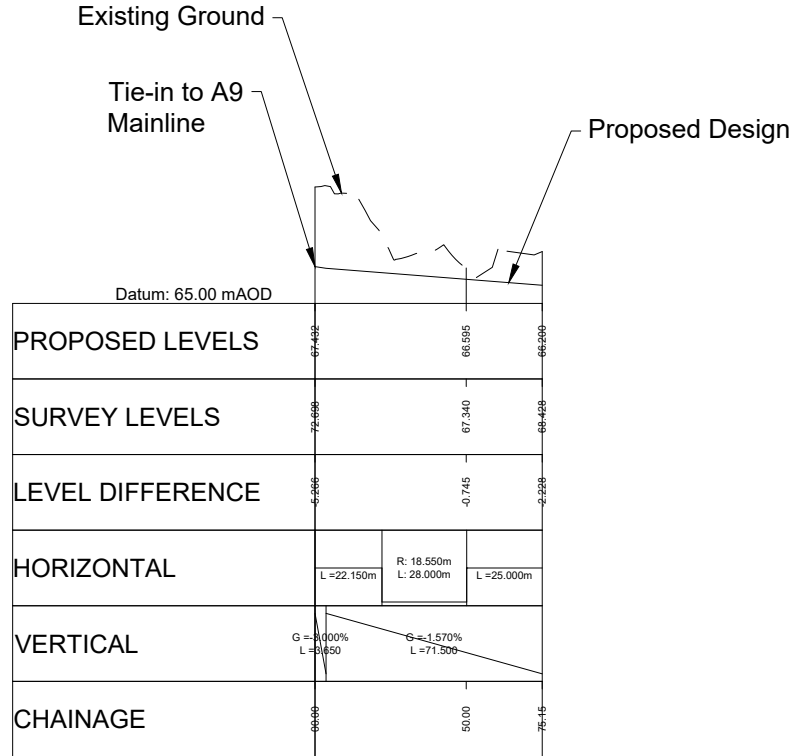
Drawing number
A9P02 - JAC - HSR -
Location
D_SR050_AC -DR-RD-0001

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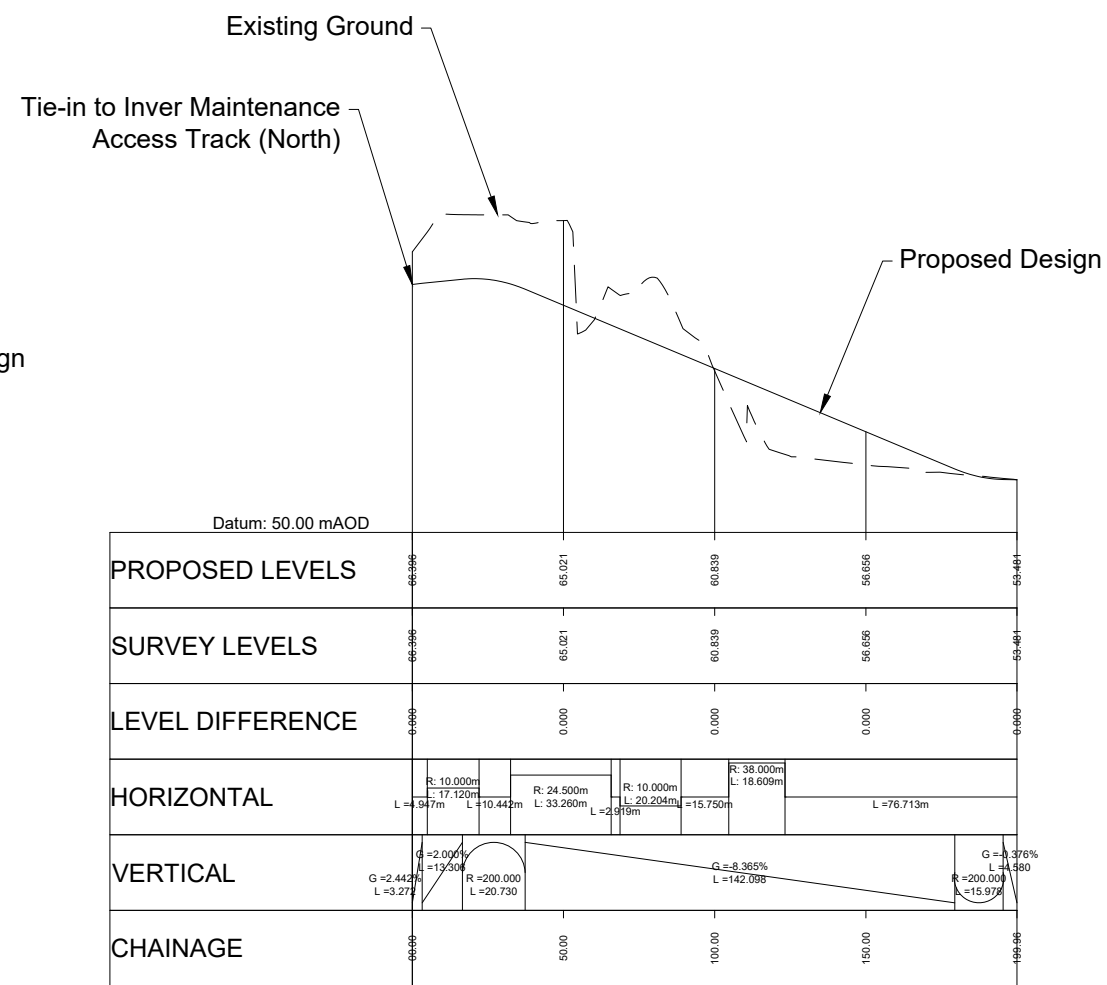
PROFILE
HORIZONTAL SCALE = 1:2,500
VERTICAL SCALE = 1:500



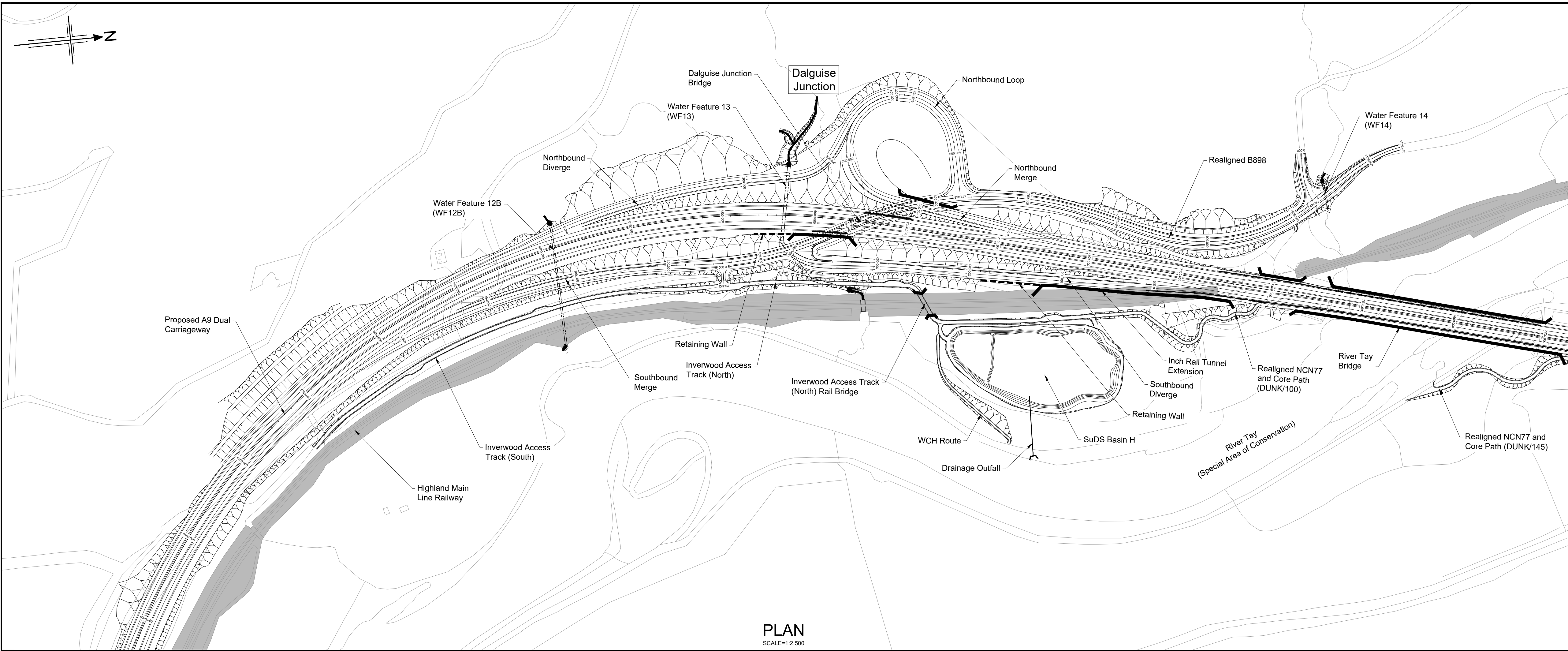
Inver Maintenance Access Track (South)



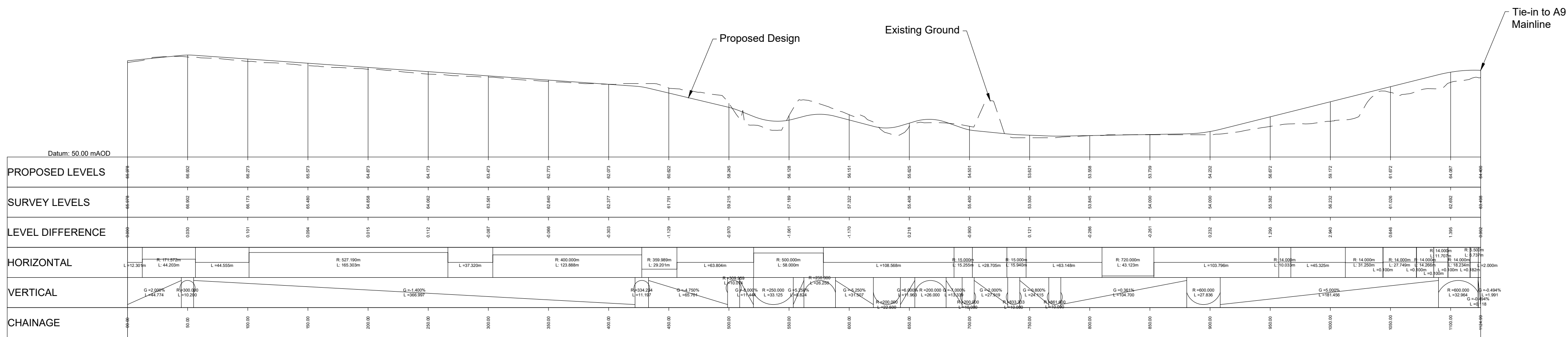
Inver Maintenance Access Track (North)



Field Access Track



- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line Railway



Inverwood Access Track (South) (Ch. 0 - Ch. 590)
and (North) (Ch. 590 - End)

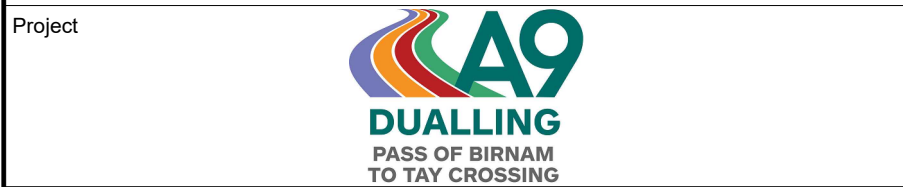
PROFILE
HORIZONTAL SCALE = 1:2,500
VERTICAL SCALE = 1:500

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Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
P01	20/08/24	ISSUED FOR INFORMATION	AW	AB	DK	MP
P02	19/05/25	FOR REVIEW AND COMMENT	DE	AB	DK	MP
P03	28/05/25	DMRB STAGE 3 REPORT - FINAL	DE	AB	DK	MP

Designer:

Jacobs.



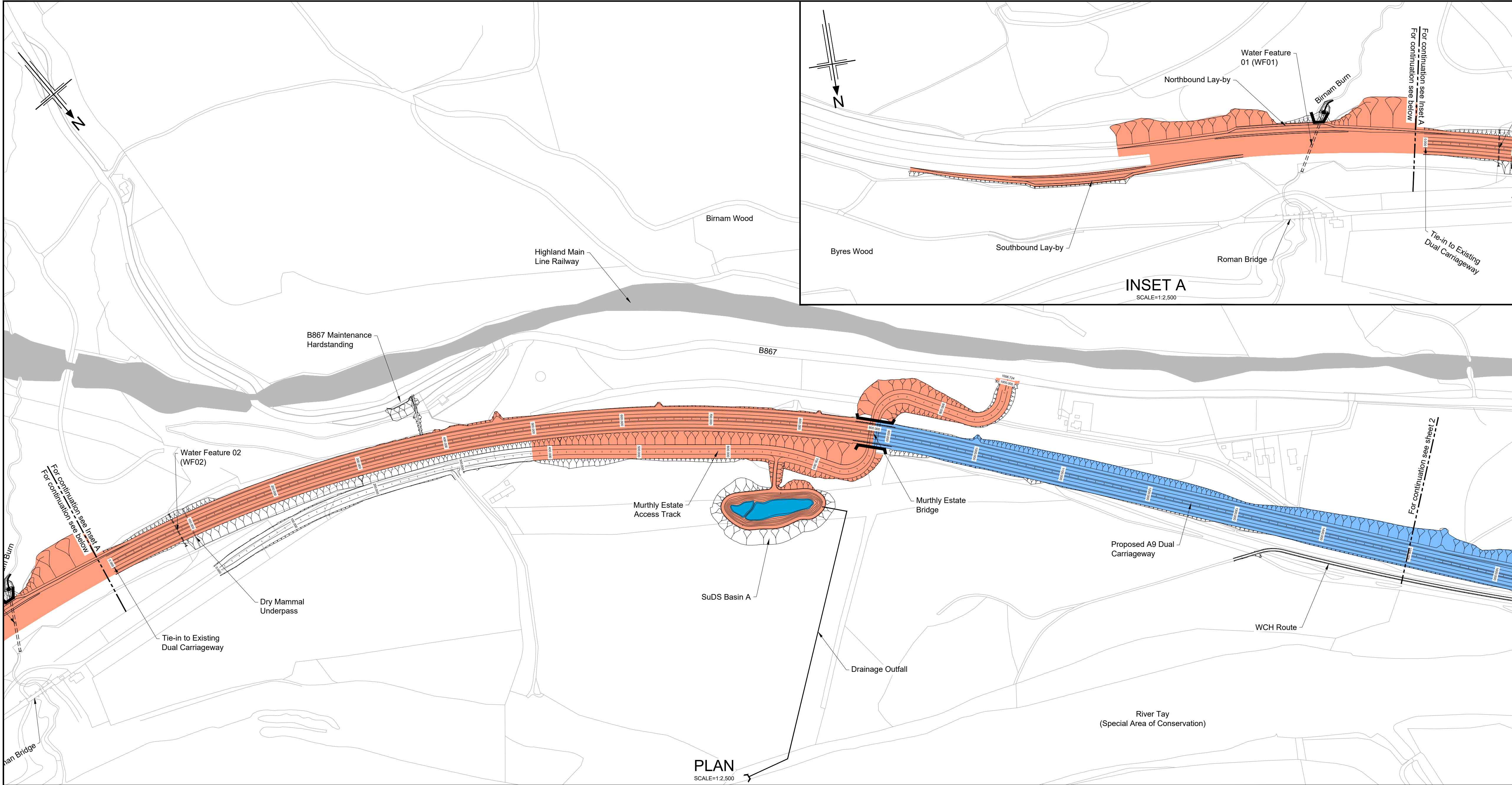
Drawing title
**DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
PLAN AND PROFILE
INVERWOOD ACCESS TRACK**

Drawing status
S4 - ISSUED FOR STAGE APPROVAL

State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	
Jacobs No.	B2140002	Rev P03
Client no.	TS/MTrips/SER/2013/03	

Drawing number
**A9P02 - JAC - HSR -
D_SR070_AC -DR-RD-0001**

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- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line railway
- Catchment Areas:
- Drainage Catchment Run A
 - Drainage Catchment Run B1
 - Drainage Catchment Run B2
 - Drainage Catchment Run C1
 - Dunkeld & Birnam Station and Railway Maintenance Access Track
 - Drainage Catchment Run C2
 - Drainage Catchment Run D
 - Drainage Catchment Run E
 - Drainage Catchment Run F
 - Drainage Catchment Run G
 - Drainage Catchment Run H
 - Drainage Catchment Run I
 - SuDS Feature

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	25/08/20	ISSUED FOR INFORMATION	SA	LW	AB	AB
P02	05/09/24	ISSUED FOR INFORMATION	AW	AP	AB	MP
P03	20/05/25	FOR REVIEW AND COMMENT	AB	RB	DK	MP
P04	28/05/25	DMRB STAGE 3 REPORT - FINAL	CK	AB	DK	MP

Designer:

Jacobs.

95 Bellfield St Glasgow, G2 7HQ
Tel: +44(0)141 80 8000 Fax: +44(0)141 203 0100
www.jacobs.co.uk



Drawing title

**DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
OUTLINE DRAINAGE CATCHMENT
AREAS, CH. 0 - CH. 1500**

Drawing status

S4 - ISSUED FOR STAGE APPROVAL

State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	
Jacobs No.	B2140002	Rev
Client no.	TS/MTRIPS/SER/2013/03	P04

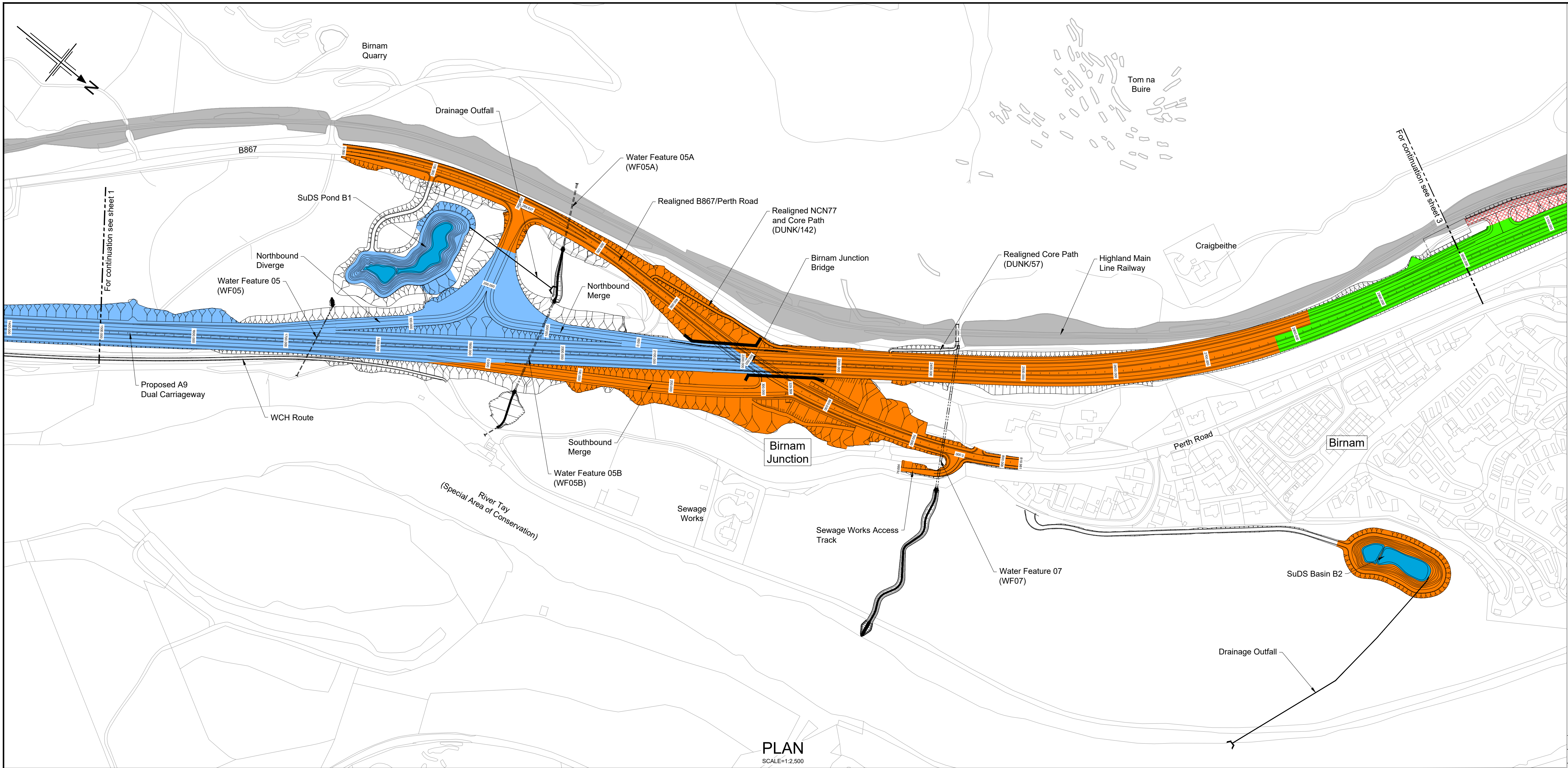
Drawing number

**A9P02 - JAC - HDG-
D_ML000_SU -DR-DE-0001**

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PROFILE
HORIZONTAL SCALE = 1:2,500
VERTICAL SCALE = 1:500

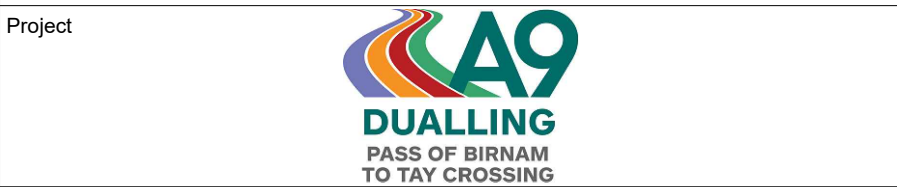


- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line railway
- Catchment Areas:
- Drainage Catchment Run A
 - Drainage Catchment Run B1
 - Drainage Catchment Run B2
 - Drainage Catchment Run C1
 - Dunkeld & Birnam Station and Railway Maintenance Access Track
 - Drainage Catchment Run C2
 - Drainage Catchment Run D
 - Drainage Catchment Run E
 - Drainage Catchment Run F
 - Drainage Catchment Run G
 - Drainage Catchment Run H
 - Drainage Catchment Run I
 - SuDS Feature

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
P01	25/08/20	ISSUED FOR INFORMATION	SA	LW	AB	AB
P02	05/09/24	ISSUED FOR INFORMATION	AW	AP	AB	MP
P03	20/05/25	FOR REVIEW AND COMMENT	AB	RB	DK	MP
P04	28/05/25	DMRB STAGE 3 REPORT - FINAL	CK	AB	DK	MP

Designer:

Jacobs.



Drawing title
**DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
OUTLINE DRAINAGE CATCHMENT
AREAS, CH. 1500 - CH. 3000**

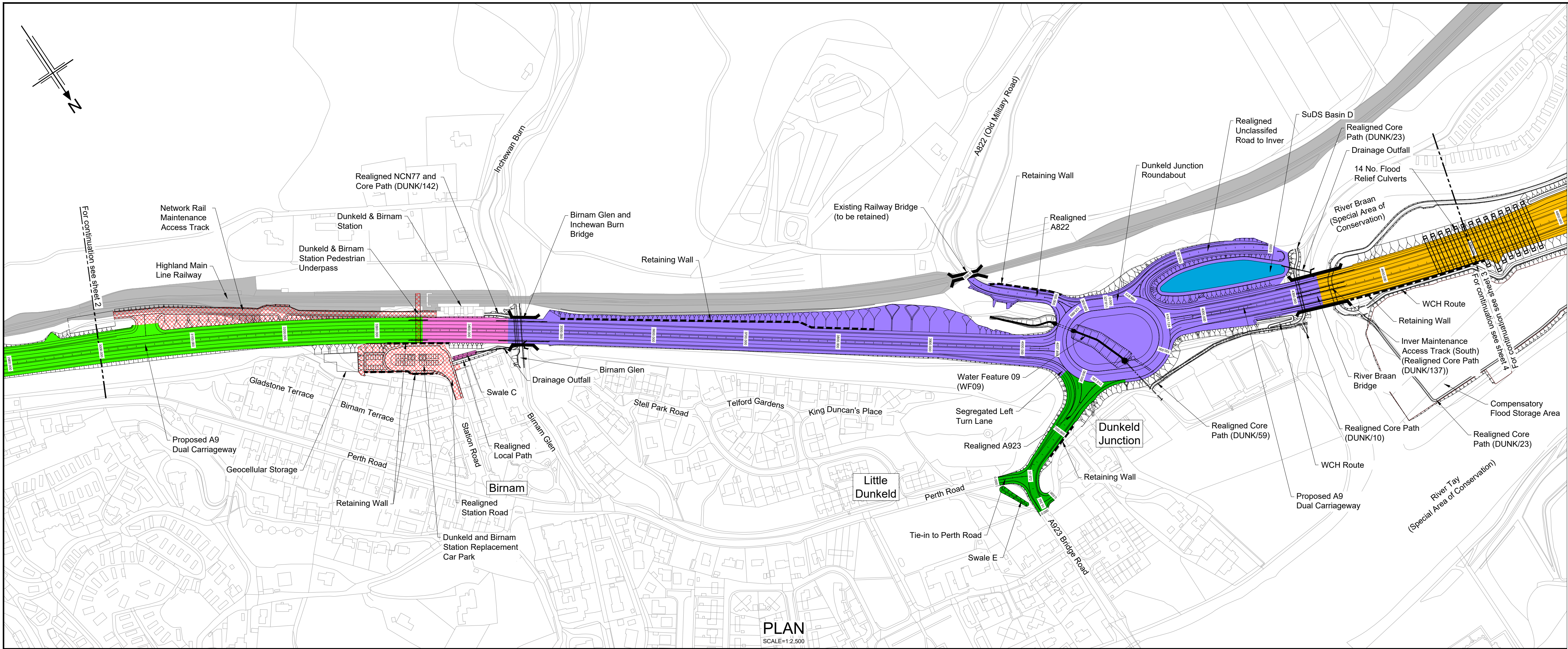
Drawing status
S4 - ISSUED FOR STAGE APPROVAL

State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	Rev
Jacobs No.	B2140002	P04
Client no.	TS/MTRIPS/SER/2013/03	

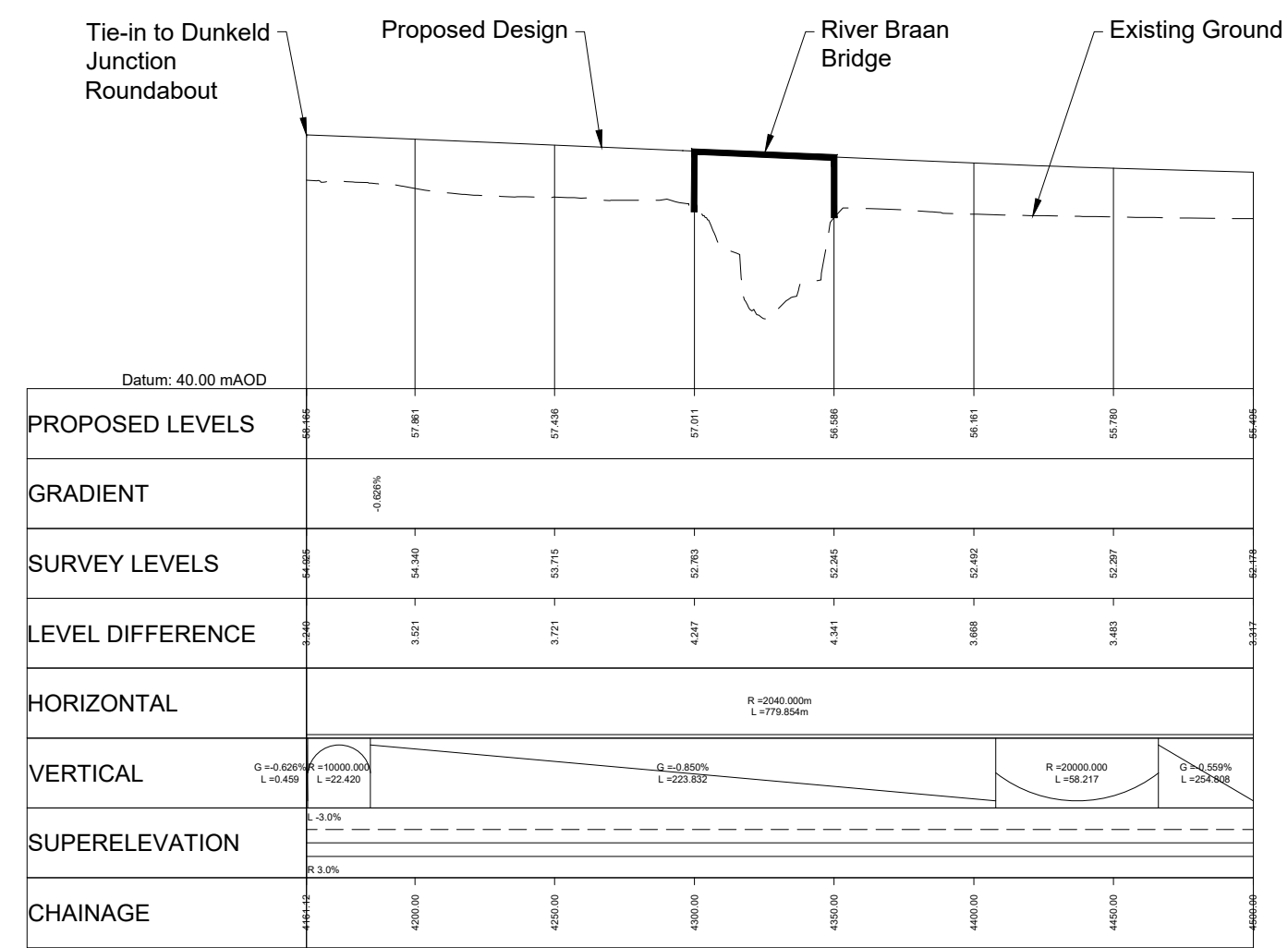
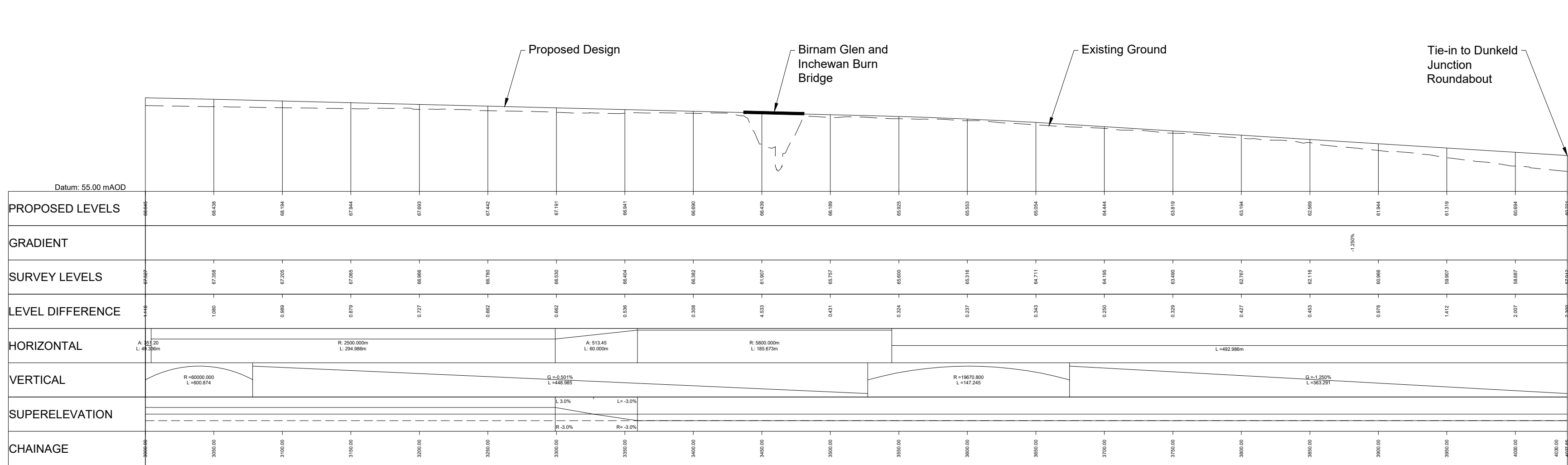
Drawing number
A9P02 - JAC - HDG -
D ML015 SU - DR-DE-0002

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PROFILE
HORIZONTAL SCALE = 1:2,500
VERTICAL SCALE = 1:500



- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
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 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line railway
- Catchment Areas:
- Drainage Catchment Run A
 - Drainage Catchment Run B1
 - Drainage Catchment Run B2
 - Drainage Catchment Run C1
 - Dunkeld & Birnam Station and Railway Maintenance Access Track
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 - Drainage Catchment Run D
 - Drainage Catchment Run E
 - Drainage Catchment Run F
 - Drainage Catchment Run G
 - Drainage Catchment Run H
 - Drainage Catchment Run I
 - SuDS Feature



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
P01	25/08/20	ISSUED FOR INFORMATION	SA	LW	AB	AB
P02	05/09/24	ISSUED FOR INFORMATION	AW	AP	AB	MP
P03	20/05/25	FOR REVIEW AND COMMENT	AB	RB	DK	MP
P04	28/05/25	DMRB STAGE 3 REPORT - FINAL	CK	AB	DK	MP

Designer:

Jacobs.

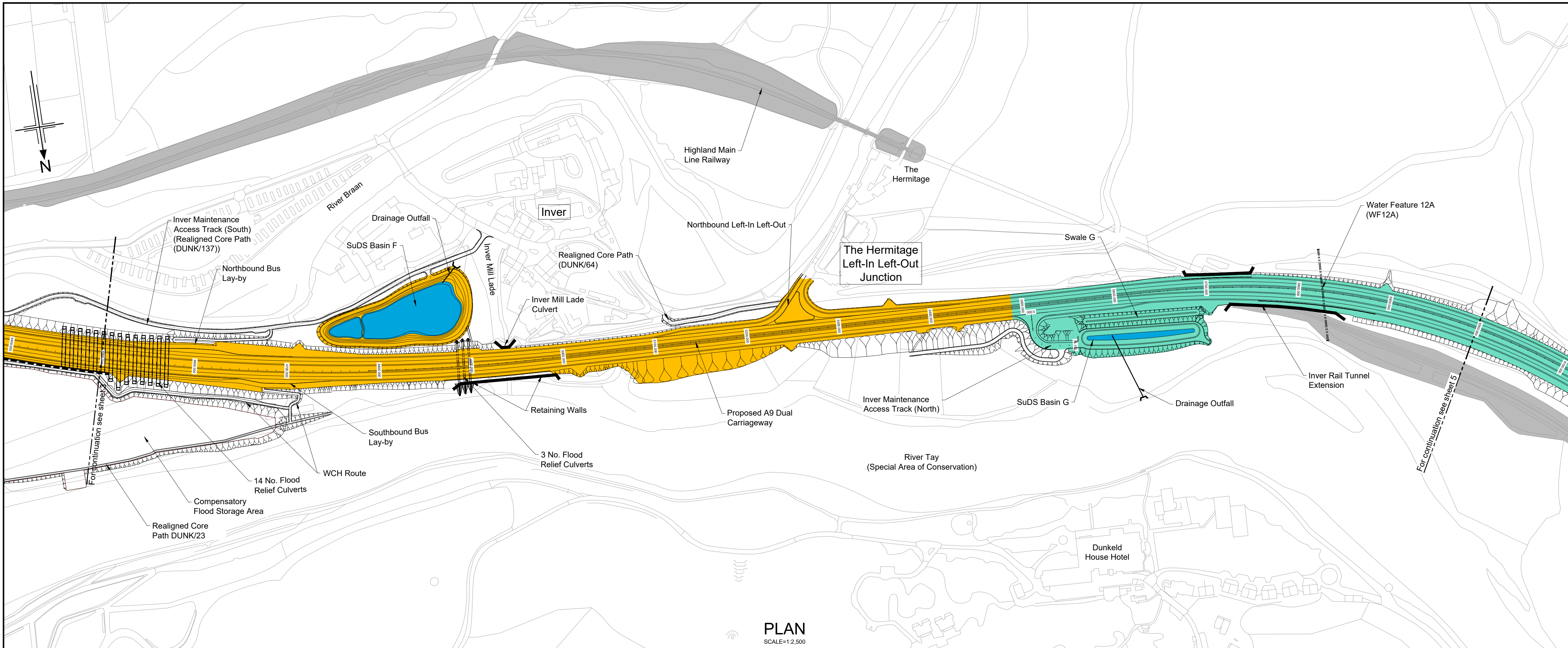


Drawing title
**DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
OUTLINE DRAINAGE CATCHMENT
AREAS, CH. 3000 - CH. 4500**

Drawing status
S4 - ISSUED FOR STAGE APPROVAL

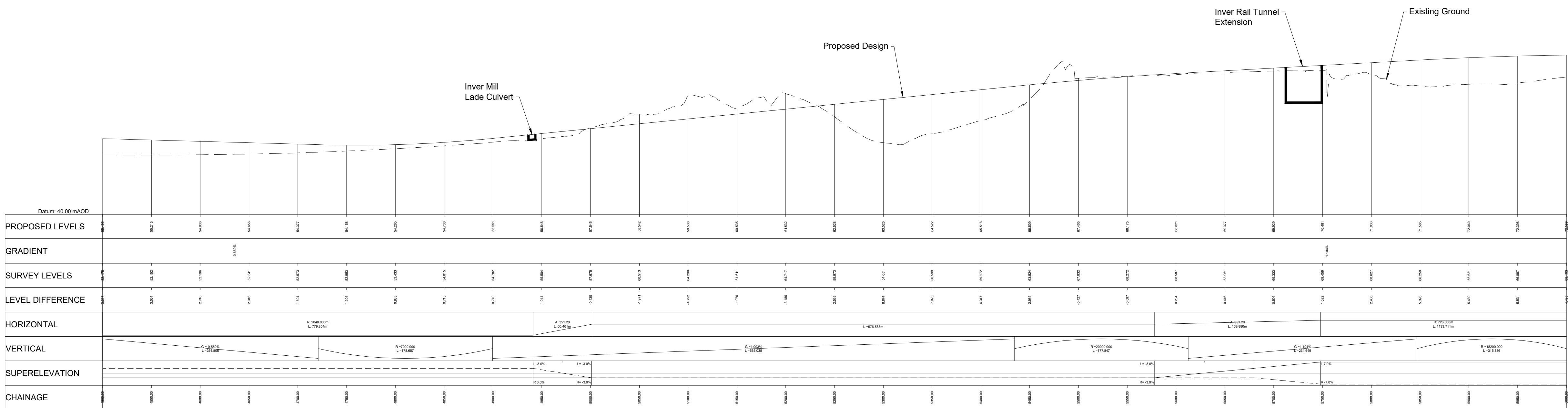
State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	Rev
Jacobs No.	B2140002	P04
Client no.	TS/MTrips/SER/2013/03	

Drawing number
**A9P02 - JAC - HDG-
D_ML030_SU -DR-DE-0003**



- Legend:
- Natural Earthwork Slope (1:2 or shallower)
 - Reinforced Earthwork Slope (steeper than 1:2)
 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line railway
- Catchment Areas:
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 - Drainage Catchment Run B2
 - Drainage Catchment Run C1
 - Dunkeld & Birnam Station and Railway Maintenance Access Track
 - Drainage Catchment Run C2
 - Drainage Catchment Run D
 - Drainage Catchment Run E
 - Drainage Catchment Run F
 - Drainage Catchment Run G
 - Drainage Catchment Run H
 - Drainage Catchment Run I
 - SuDS Feature

PLAN
SCALE=1:2,500



PROFILE
HORIZONTAL SCALE = 1:2,500
VERTICAL SCALE = 1:500

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
P01	25/08/20	ISSUED FOR INFORMATION	SA	LW	AB	AB
P02	05/09/24	ISSUED FOR INFORMATION	AW	AP	AB	MP
P03	20/05/25	FOR REVIEW AND COMMENT	AB	RB	DK	MP
P04	28/05/25	DMRB STAGE 3 REPORT - FINAL	CK	AB	DK	MP

Designer: **Jacobs.**



Drawing title
**DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
OUTLINE DRAINAGE CATCHMENT
AREAS, CH. 4500 - CH. 6000**

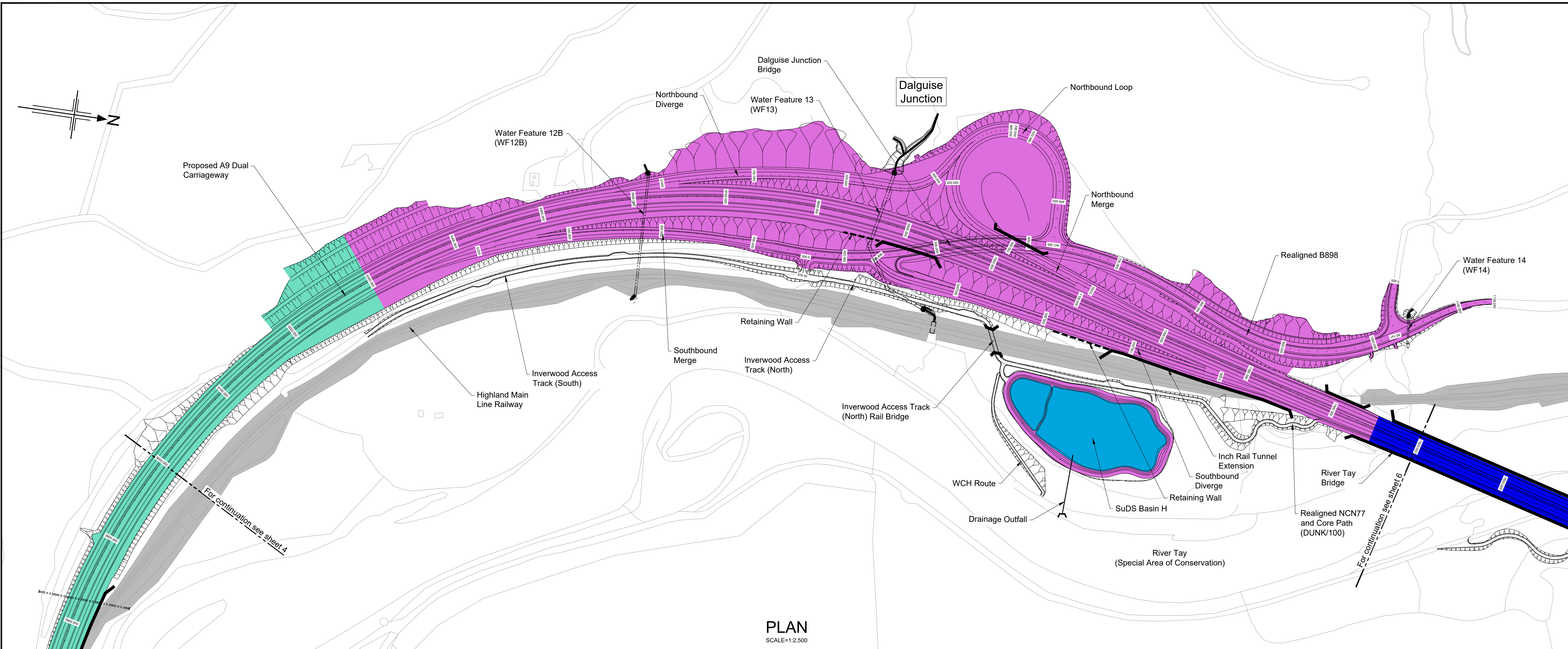
Drawing status
S4 - ISSUED FOR STAGE APPROVAL

State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	Rev
Jacobs No.	B2140002	P04
Client no.	TS/MTRIPS/SER/2013/03	

Drawing number	PHJ	Originator	JAC	Volume	-
	A9P02	Type	HDG	Number	-
	D_ML045_SU	Location	-DR-DE-0004		

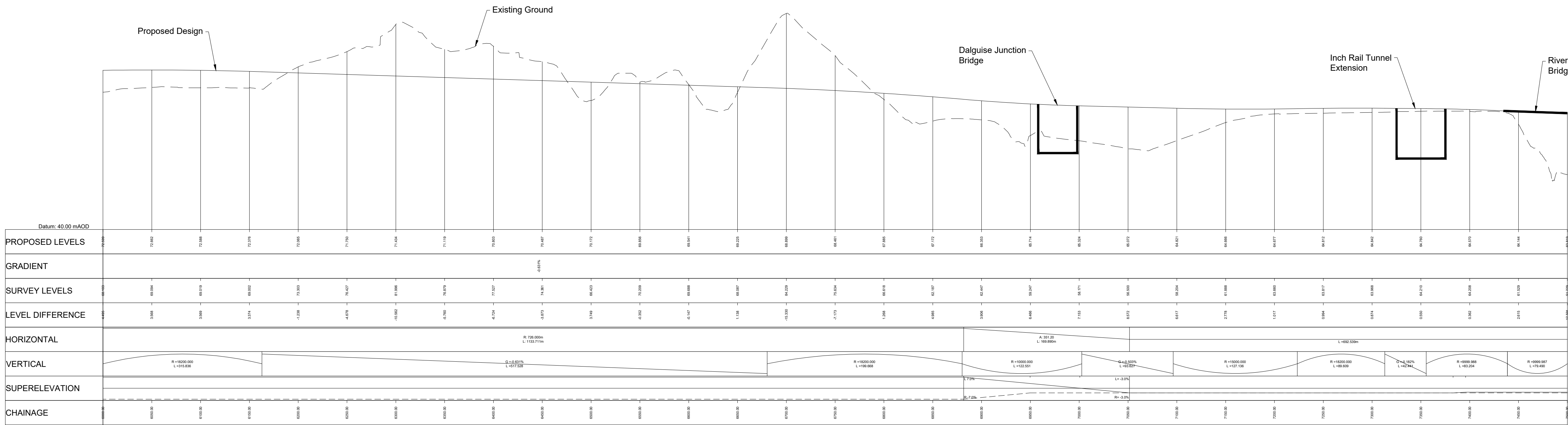
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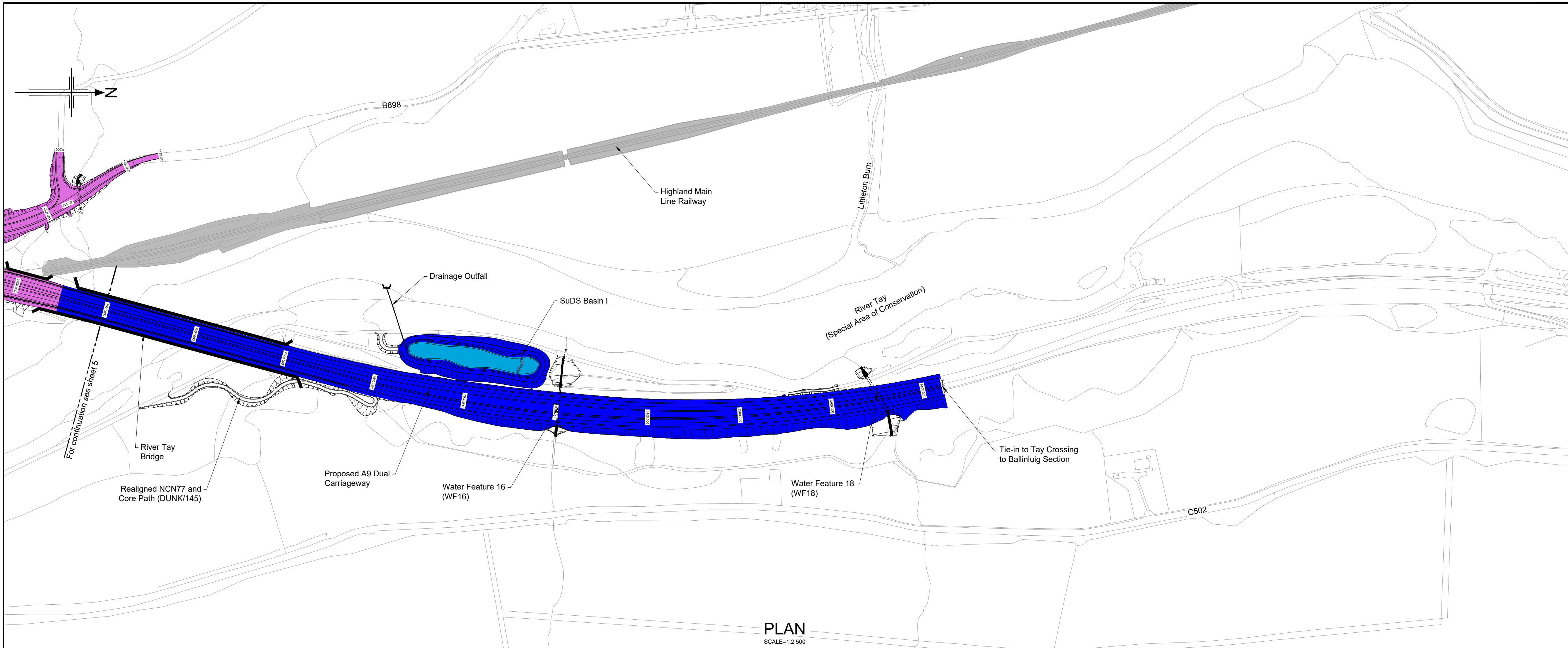


- Legend:
- Natural Earthwork Slope (1:2 or shallower)
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 - Bridge Structure
 - Retaining Wall Structure
 - Outfall Headwall
 - Highland Main Line railway
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- Drainage Catchment Run A
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 - Drainage Catchment Run B2
 - Drainage Catchment Run C1
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 - Drainage Catchment Run C2
 - Drainage Catchment Run D
 - Drainage Catchment Run E
 - Drainage Catchment Run F
 - Drainage Catchment Run G
 - Drainage Catchment Run H
 - Drainage Catchment Run I
 - SuDS Feature

PLAN
SCALE=1:2,500



Datum: 40.00 mAOD		6000.00	6020.00	6040.00	6060.00	6080.00	6100.00	6120.00	6140.00	6160.00	6180.00	6200.00	6220.00	6240.00	6260.00	6280.00	6300.00	6320.00	6340.00	6360.00	6380.00	6400.00	6420.00	6440.00	6460.00	6480.00	6500.00	6520.00	6540.00	6560.00	6580.00	6600.00	6620.00	6640.00	6660.00	6680.00	6700.00	6720.00	6740.00	6760.00	6780.00	6800.00	6820.00	6840.00	6860.00	6880.00	6900.00	6920.00	6940.00	6960.00	6980.00	7000.00	7020.00	7040.00	7060.00	7080.00	7100.00	7120.00	7140.00	7160.00	7180.00	7200.00	7220.00	7240.00	7260.00	7280.00	7300.00	7320.00	7340.00	7360.00	7380.00	7400.00	7420.00	7440.00	7460.00	7480.00	7500.00	7520.00	7540.00	7560.00	7580.00	7600.00	7620.00	7640.00	7660.00	7680.00	7700.00	7720.00	7740.00	7760.00	7780.00	7800.00	7820.00	7840.00	7860.00	7880.00	7900.00	7920.00	7940.00	7960.00	7980.00	8000.00	8020.00	8040.00	8060.00	8080.00	8100.00	8120.00	8140.00	8160.00	8180.00	8200.00	8220.00	8240.00	8260.00	8280.00	8300.00	8320.00	8340.00	8360.00	8380.00	8400.00	8420.00	8440.00	8460.00	8480.00	8500.00	8520.00	8540.00	8560.00	8580.00	8600.00	8620.00	8640.00	8660.00	8680.00	8700.00	8720.00	8740.00	8760.00	8780.00	8800.00	8820.00	8840.00	8860.00	8880.00	8900.00	8920.00	8940.00	8960.00	8980.00	9000.00	9020.00	9040.00	9060.00	9080.00	9100.00	9120.00	9140.00	9160.00	9180.00	9200.00	9220.00	9240.00	9260.00	9280.00	9300.00	9320.00	9340.00	9360.00	9380.00	9400.00	9420.00	9440.00	9460.00	9480.00	9500.00	9520.00	9540.00	9560.00	9580.00	9600.00	9620.00	9640.00	9660.00	9680.00	9700.00	9720.00	9740.00	9760.00	9780.00	9800.00	9820.00	9840.00	9860.00	9880.00	9900.00	9920.00	9940.00	9960.00	9980.00	10000.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
PROPOSED LEVELS		72.02	72.00	72.35	72.66	72.70	72.62	72.49	72.13	71.70	71.20	70.65	70.05	69.41	68.65	67.82	66.92	65.95	64.91	63.79	62.59	61.32	60.00	58.63	57.19	55.69	54.14	52.55	50.92	49.25	47.55	45.82	44.05	42.24	40.39	38.50	36.57	34.60	32.59	30.54	28.46	26.35	24.21	22.04	19.84	17.60	15.33	13.03	10.70	8.34	5.95	3.53	1.08	-1.41	-3.85	-6.24	-8.58	-10.87	-13.11	-15.30	-17.44	-19.53	-21.57	-23.56	-25.50	-27.39	-29.23	-31.02	-32.76	-34.45	-36.09	-37.68	-39.22	-40.71	-42.15	-43.54	-44.88	-46.17	-47.41	-48.60	-49.74	-50.83	-51.87	-52.86	-53.80	-54.69	-55.53	-56.32	-57.06	-57.75	-58.39	-58.98	-59.52	-60.01	-60.45	-60.84	-61.18	-61.47	-61.71	-61.90	-62.04	-62.13	-62.17	-62.16	-62.05	-61.84	-61.53	-61.12	-60.61	-60.00	-59.29	-58.58	-57.77	-56.86	-55.85	-54.74	-53.53	-52.22	-50.81	-49.30	-47.69	-46.08	-44.47	-42.86	-41.25	-39.64	-38.03	-36.42	-34.81	-33.20	-31.59	-29.98	-28.37	-26.76	-25.15	-23.54	-21.93	-20.32	-18.71	-17.10	-15.49	-13.88	-12.27	-10.66	-9.05	-7.44	-5.83	-4.22	-2.61	-1.00	0.61	2.22	3.83	5.44	7.05	8.66	10.27	11.88	13.49	15.10	16.71	18.32	19.93	21.54	23.15	24.76	26.37	27.98	29.59	31.20	32.81	34.42	36.03	37.64	39.25	40.86	42.47	44.08	45.69	47.30	48.91	50.52	52.13	53.74	55.35	56.96	58.57	60.18	61.79	63.40	65.01	66.62	68.23	69.84	71.45	73.06	74.67	76.28	77.89	79.50	81.11	82.72	84.33	85.94	87.55	89.16	90.77	92.38	93.99	95.60	97.21	98.82	100.43	102.04	103.65	105.26	106.86	108.47	110.08	111.69	113.30	114.91	116.52	118.13	119.74	121.35	122.96	124.57	126.18	127.79	129.40	131.01	132.62	134.23	135.84	137.45	139.06	140.67	142.28	143.89	145.50	147.11	148.72	150.33	151.94	153.55	155.16	156.77	158.38	159.99	161.60	163.21	164.82	166.43	168.04	169.65	171.26	172.87	174.48	176.09	177.70	179.31	180.92	182.53	184.14	185.75	187.36	188.97	190.58	192.19	193.80	195.41	197.02	198.63	200.24	201.85	203.46	205.07	206.68	208.29	209.90	211.51	213.12	214.73	216.34	217.95	219.56	221.17	222.78	224.39	226.00	227.61	229.22	230.83	232.44	234.05	235.66	237.27	238.88	240.49	242.10	243.71	245.32	246.93	248.54	250.15	251.76	253.37	254.98	256.59	258.20	259.81	261.42	263.03	264.64	266.25	267.86	269.47	271.08	272.69	274.30	275.91	277.52	279.13	280.74	282.35	283.96	285.57	287.18	288.79	290.40	292.01	293.62	295.23	296.84	298.45	300.06	301.67	303.28	304.89	306.50	308.11	309.72	311.33	312.94	314.55	316.16	317.77	319.38	320.99	322.60	324.21	325.82	327.43	329.04	330.65	332.26	333.87	335.48	337.09	338.70	340.31	341.92	343.53	345.14	346.75	348.36	349.97	351.58	353.19	354.80	356.41	358.02	359.63	361.24	362.85	364.46	366.07	367.68	369.29	370.90	372.51	374.12	375.73	377.34	378.95	380.56	382.17	383.78	385.39	387.00	388.61	390.22	391.83	393.44	395.05	396.66	398.27	399.88	401.49	403.10	404.71	406.32	407.93	409.54	411.15	412.76	414.37	415.98	417.59	419.20	420.81	422.42	424.03	425.64	427.25	428.86	430.47	432.08	433.69	435.30	436.91	438.52	440.13	441.74	443.35	444.96	446.57	448.18	449.79	451.40	453.01	454.62	456.23	457.84	459.45	461.06	462.67	464.28	465.89	467.50	469.11	470.72	472.33	473.94	475.55	477.16	478.77	480.38	481.99	483.60	485.21	486.82	488.43	490.04	491.65	493.26	494.87	496.48	498.09	499.70	501.31	502.92	504.53	506.14	507.75	509.36	510.97	512.58	514.19	515.80	517.41	519.02	520.63	522.24	523.85	525.46	527.07	528.68	530.29	531.90	533.51	535.12	536.73	538.34	539.95	541.56	543.17	544.78	546.39	548.00	549.61	551.22	552.83	554.44	556.05	557.66	559.27	560.88	562.49	564.10	565.71	567.32	568.93	570.54	572.15	573.76	575.37	576.98	578.59	580.20	581.81	583.42	585.03	586.64	588.25	589.86	591.47	593.08	594.69	596.30	597.91	599.52	601.13	602.74	604.35	605.96	607.57	609.18	610.79	612.40	614.01	615.62	617.23	618.84	620.45	622.06	623.67	625.28	626.89	628.50	630.11	631.72	633.33	634.94	636.55	638.16	639.77	641.38	642.99	644.60	646.21	647.82	649.43	651.04	652.65	654.26	655.87	657.48	659.09	660.70	662.31	663.92	665.53	667.14	668.75	670.36	671.97	673.58	675.19	676.80	678.41	680.02	681.63	683.24	684.85	686.46	688.07	689.68	691.29	692.90	694.51	696.12	697.73	699.34	700.95	702.56	704.17	705.78	707.39	709.00	710.61	712.22	713.83	715.44	717.05	718.66	720.27	721.88	723.49	725.10	726.71	728.32	729.93	731.54	733.15	734.76	736.37	737.98	739.59	741.20	742.81	744.42	746.03	747.64	749.25	750.86	752.47	754.08	755.69	757.30	758.91	760.52	762.13	763.74	765.35	766.96	768.57	770.18	771.79	773.40	775.01	776.62	778.23	779.84	781.45	783.06	784.67	786.28	787.89	789.50	791.11	792.72	794.33	795.94	797.55	799.16	800.77	802.38	803.99	805.60	807.21	808.82	810.43	812.04	813.65	815.26	816.87	818.48	820.09	821.70	823.31	824.92	826.53	828.14	829.75	831.36	832.97	834.58	836.19	837.80	839.41	841.02	842.63	844.24	845.85	847.46	849.07	850.68	852.29	853.90	855.51	857.12	858.73	860.34	861.95	863.56	865.17	866.78	868.39	870.00	871.61	873.22	874.83	876.44	878.05	879.66	881.27	882.88	884.49	886.10	887.71	889.32	890.93	892.54	894.15	895.76	897.37	898.98	900.59	902.20	903.81	905.42	907.03	908.64	910.25	911.86	913.47	915.08	916.69	918.30	919.91	921.52	923.13	924.74	926.35	927.96	929.57	931.18	932.79	934.40	936.01	937.62	939.23	940.84	942.45	944.06	945.67	947.28	948.89	950.50	952.11	953.72	955.33	956.94	958.55	960.16	961.77	963.38	964.99	966.60	968.21	969.82	971.43	973.04	974.65	976.26	977.87	979.48	981.09	982.70	984.31	985.92	987.53	989.14	990.75	992.36	993.97	995.58	997.19	998.80	1000.41	1002.02	1003.63	1005.24	1006.85	1008.46	1010.07	1011.68	1013.29	1014.90	1016.51	1018.12	1019.73	1021.34	1022.95	1024.56	1026.17	1027.78	1029.39	1031.00	1032.61	1034.22	1035.83	1037.44	1039.05	1040.66	1042.27	1043.88	1045.49	1047.10	1048.71	1050.32	1051.93	1053.54	1055.15	1056.76	1058.37	1059.98	1061.59	1063.20	1064.81	1066.42	1068.03	1069.64	1071.25	1072.86	1074.47	1076.08	1077.69	1079.30	1080.91	1082.52	1084.13	1085.74	1087.35	1088.96	1090.57	1092.18	1093.79	1095.40	1097.01	1098.62	1000.23	1101.84	1103.45	1105.06	1106.67	1108.28	1109.89	1111.50	1113.11	1114.72	1116.33	1117.94	1119.55	1121.16	1122.77	1124.38	1125.99	1127.60	1129.21	1130.82	1132.43	1134.04	1135.65	1137.26	1138.87	1140.48	1142.09	1143.70	1145.31	1146.92	1148.53	1150.14	1151.75	1153.36	1154.97	1156.58	1158.19	1159.80	1161.41	1163.02	1164.63	1166.24	1167.85	1169.46	1171.07	1172.68	1174.29	1175.90	1177.51	11797



Legend:

- Natural Earthwork Slope (1:2 or shallower)
- Reinforced Earthwork Slope (steeper than 1:2)
- Bridge Structure
- Retaining Wall Structure
- Outfall Headwall
- Highland Main Line railway

Catchment Areas:

- Drainage Catchment Run A
- Drainage Catchment Run B1
- Drainage Catchment Run B2
- Drainage Catchment Run C1
- Dunkeld & Birnam Station and Railway Maintenance Access Track
- Drainage Catchment Run C2
- Drainage Catchment Run D
- Drainage Catchment Run E
- Drainage Catchment Run F
- Drainage Catchment Run G
- Drainage Catchment Run H
- Drainage Catchment Run I
- SuDS Feature

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	25/08/20	ISSUED FOR INFORMATION	SA	LW	AB	AB
P02	05/09/24	ISSUED FOR INFORMATION	AW	AP	AB	MP
P03	20/05/25	FOR REVIEW AND COMMENT	AB	RB	DK	MP
P04	28/05/25	DMRB STAGE 3 REPORT - FINAL	CK	AB	DK	MP

Designer:

Jacobs.

Client:

TRANSPORT SCOTLAND
COMHDAIL ALBA

Project:

A9 DUALING
PASS OF BIRNAM TO TAY CROSSING

Drawing title:

DMRB STAGE 3
PASS OF BIRNAM TO TAY CROSSING
OUTLINE DRAINAGE CATCHMENT AREAS, CH. 7500 - END

Drawing status:

S4 - ISSUED FOR STAGE APPROVAL

State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	
Jacobs No.	B2140002	Rev P04
Client no.	TS/MTRIPS/SER/2013/03	

Drawing number: A9P02 - JAC - HDG- D ML075_SU -DR-DE-0006

Originator: JAC

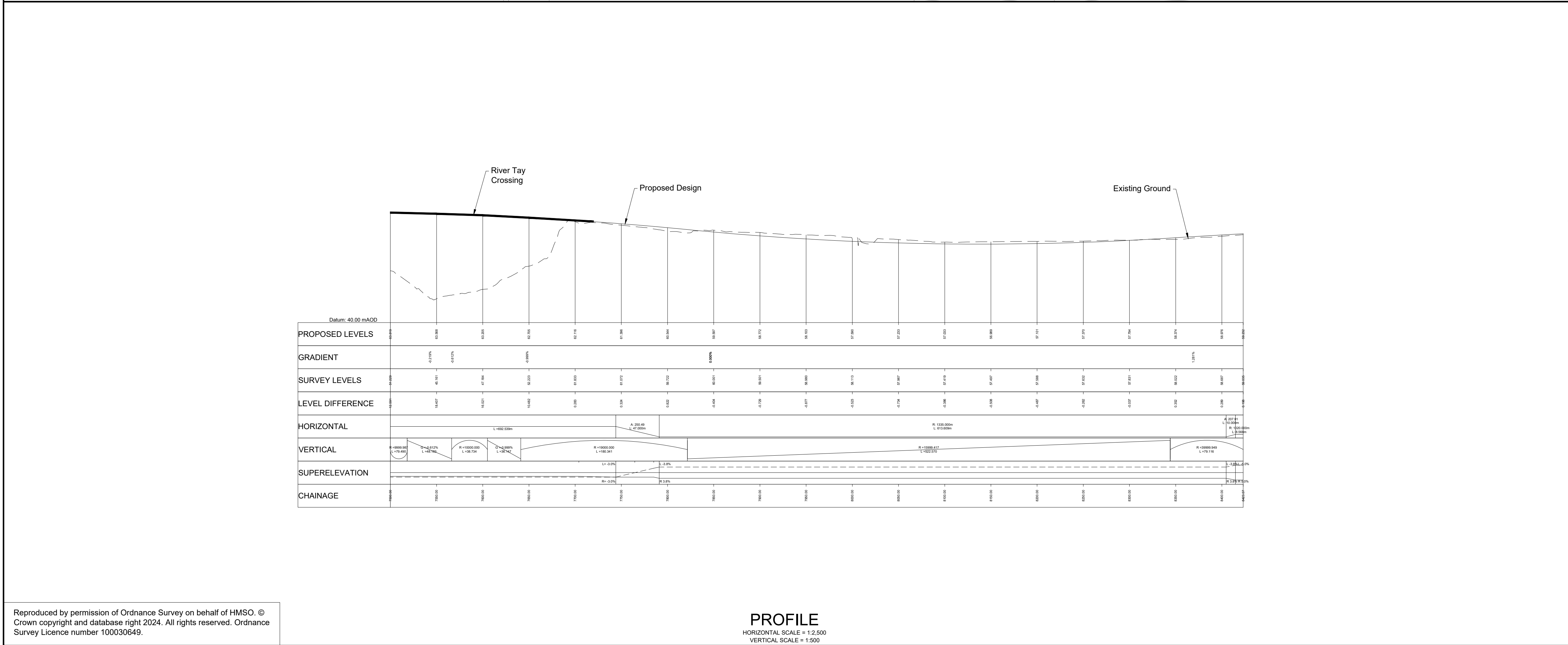
Volume: -DR-DE-0006

Location: D ML075_SU

Type: -DR-DE-0006

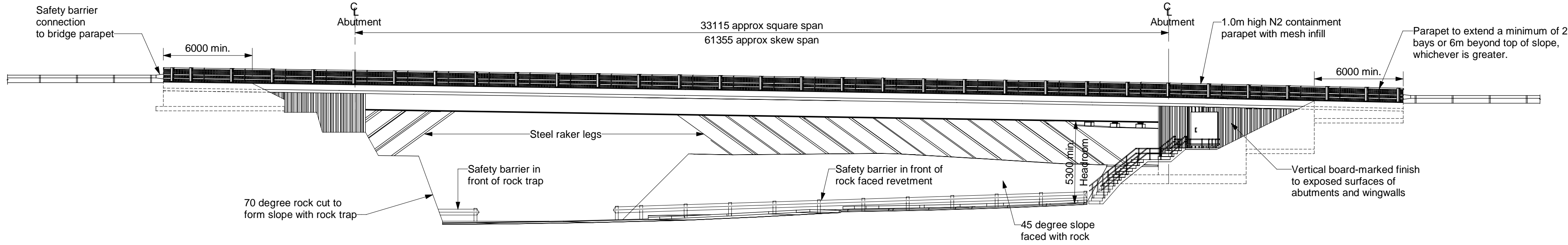
Role: -DR-DE-0006

Number: -DR-DE-0006

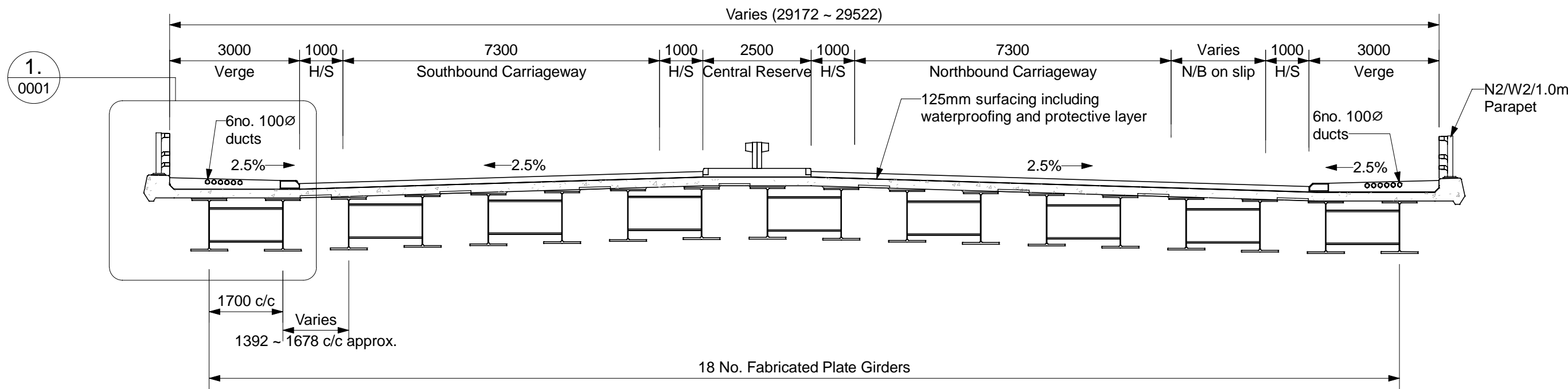


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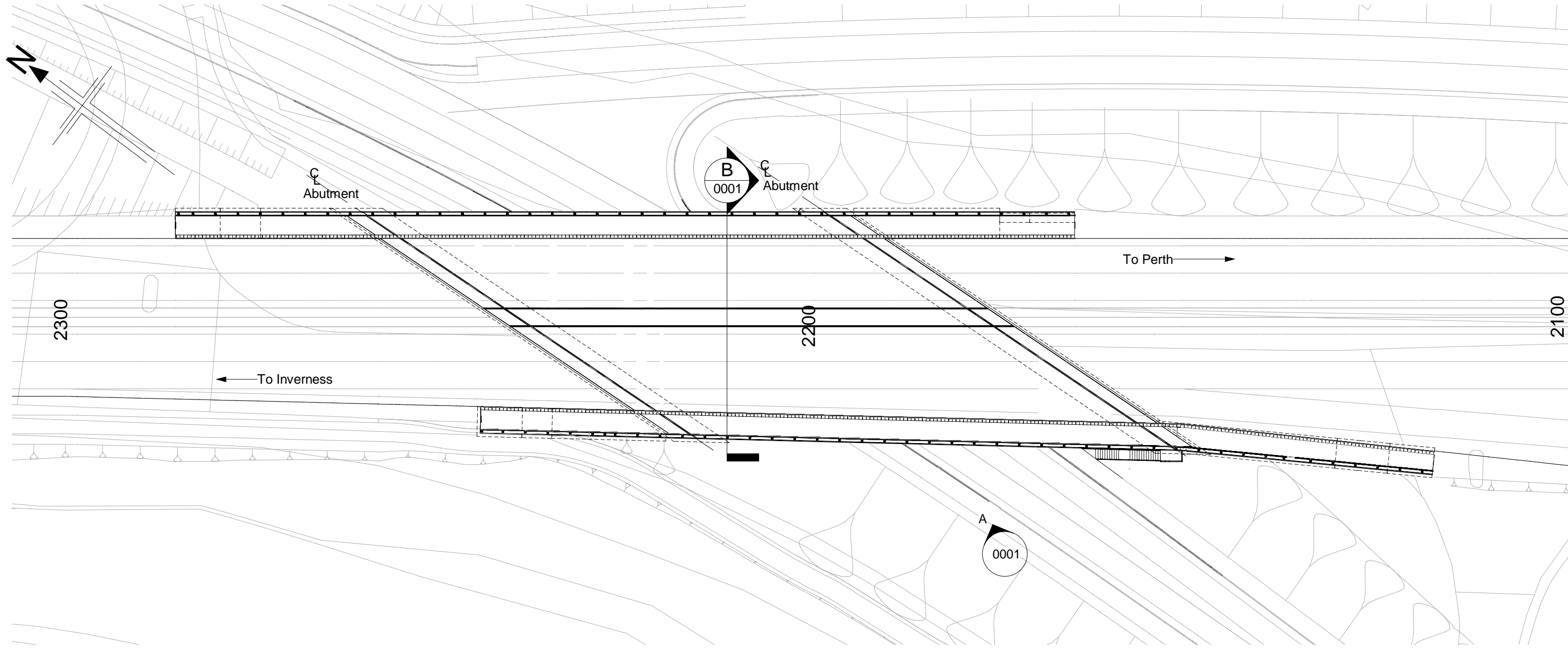
PROFILE
HORIZONTAL SCALE = 1:2,500
VERTICAL SCALE = 1:500



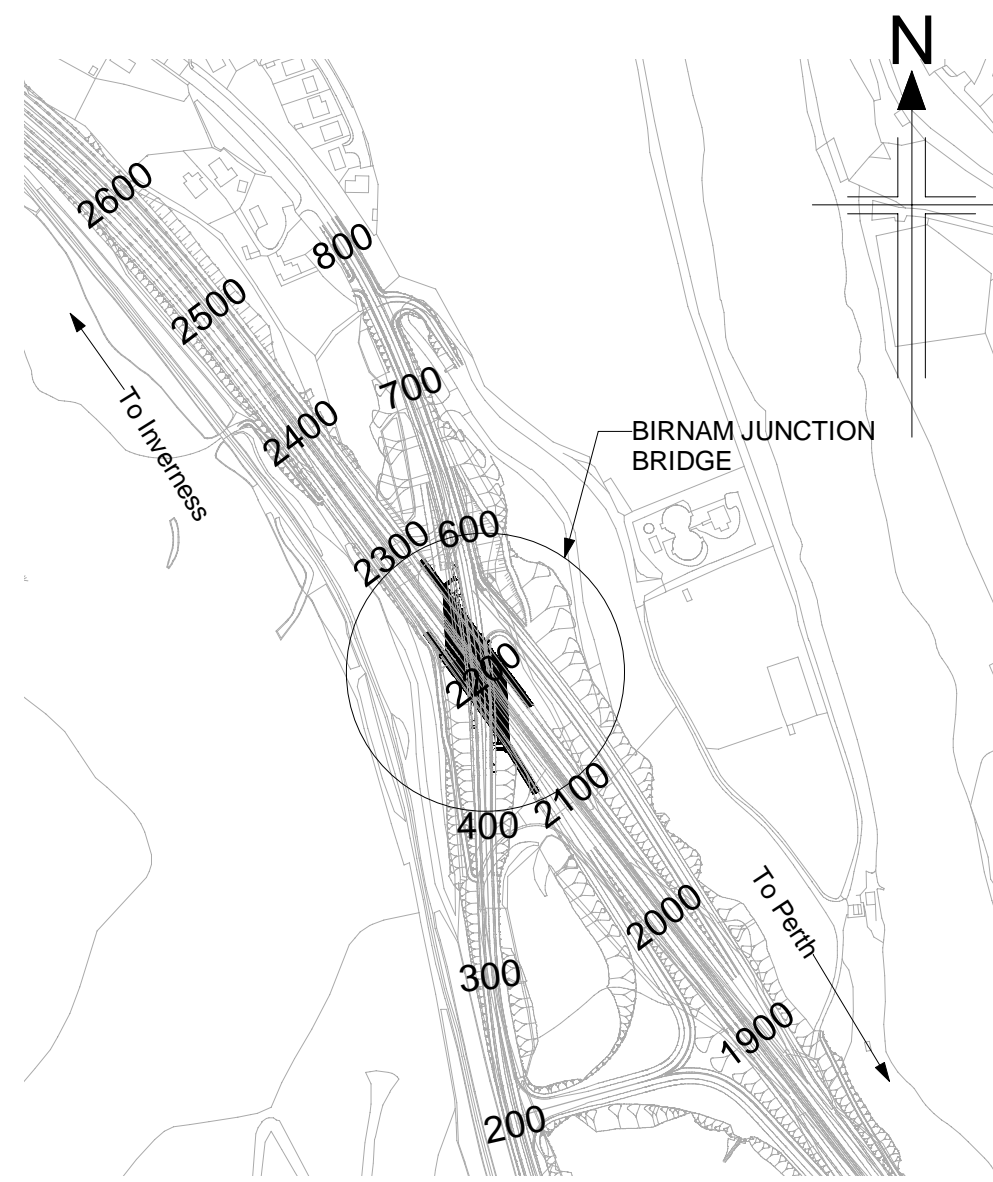
ELEVATION A
(Scale 1 : 200)



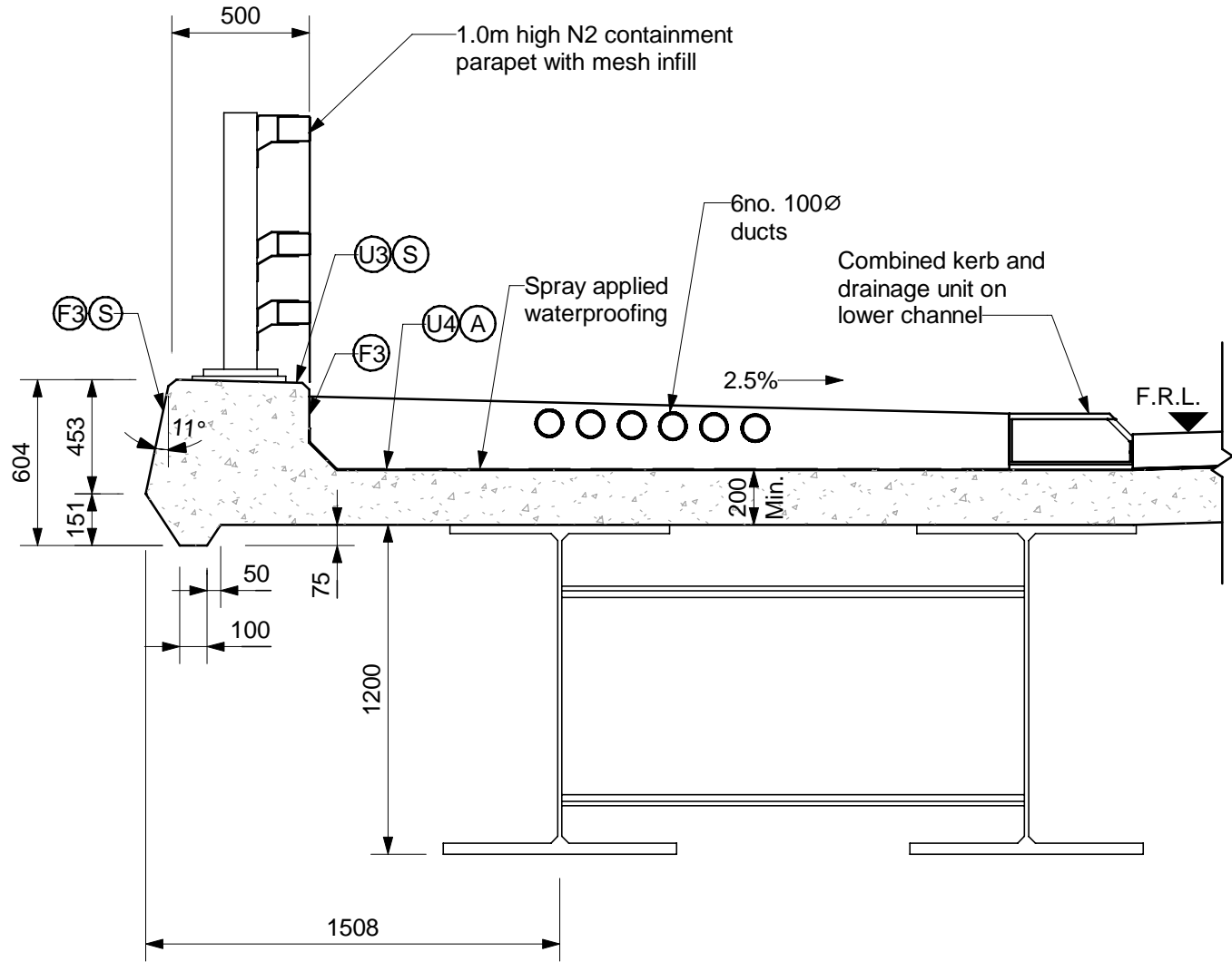
SECTION B
(Scale 1 : 100)



PLAN
(Scale 1 : 500)



LOCATION PLAN
(Scale 1 : 5000)



DETAIL 1
(Scale 1 : 25)

- NOTES:**
- All dimensions are in millimetres unless noted otherwise.
 - All levels are in metres Above Ordnance Datum.
 - All chainages are in metres.
 - All exposed arrises to have 25x25 chamfers unless noted otherwise.
 - All details shown on this drawing are indicative only and subject to development.
 - Concrete finishes denoted thus:
 - Formed
 - Unformed
 - Concrete protection to be as follows:
 - Surface impregnation in accordance with Client's requirements.
 - Spray applied waterproofing in accordance with CI. 2003 of the Specification.
 - Waterproofing of all buried concrete surfaces in accordance with CI. 2004 of the Specification.

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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:	
CONSTRUCTION <ul style="list-style-type: none">- Service survey required before commencing Works.- Temporary works to be provided to ensure full support during beam installation and in temporary situations.- Potential presence of ground gas to be considered during excavation.- Potential presence of soil/groundwater contamination to be considered during excavation.	
MAINTENANCE / CLEANING <ul style="list-style-type: none">- Service survey required before commencing Works.	
DECOMMISSIONING / DEMOLITION <ul style="list-style-type: none">- Service survey required before commencing Works.	
It is assumed that all works will be carried out by a competent Contractor working, where appropriate, to an approved method statement	

P01	29/05/25	DMRB STAGE 3 REPORT - FINAL	PS	SH	MAM	MP
Rev	Rev. Date	Purpose of revision	Drawn	Chk'd	Rev'd	Apr'd

Jacobs

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www.jacobs.com

Client



Project

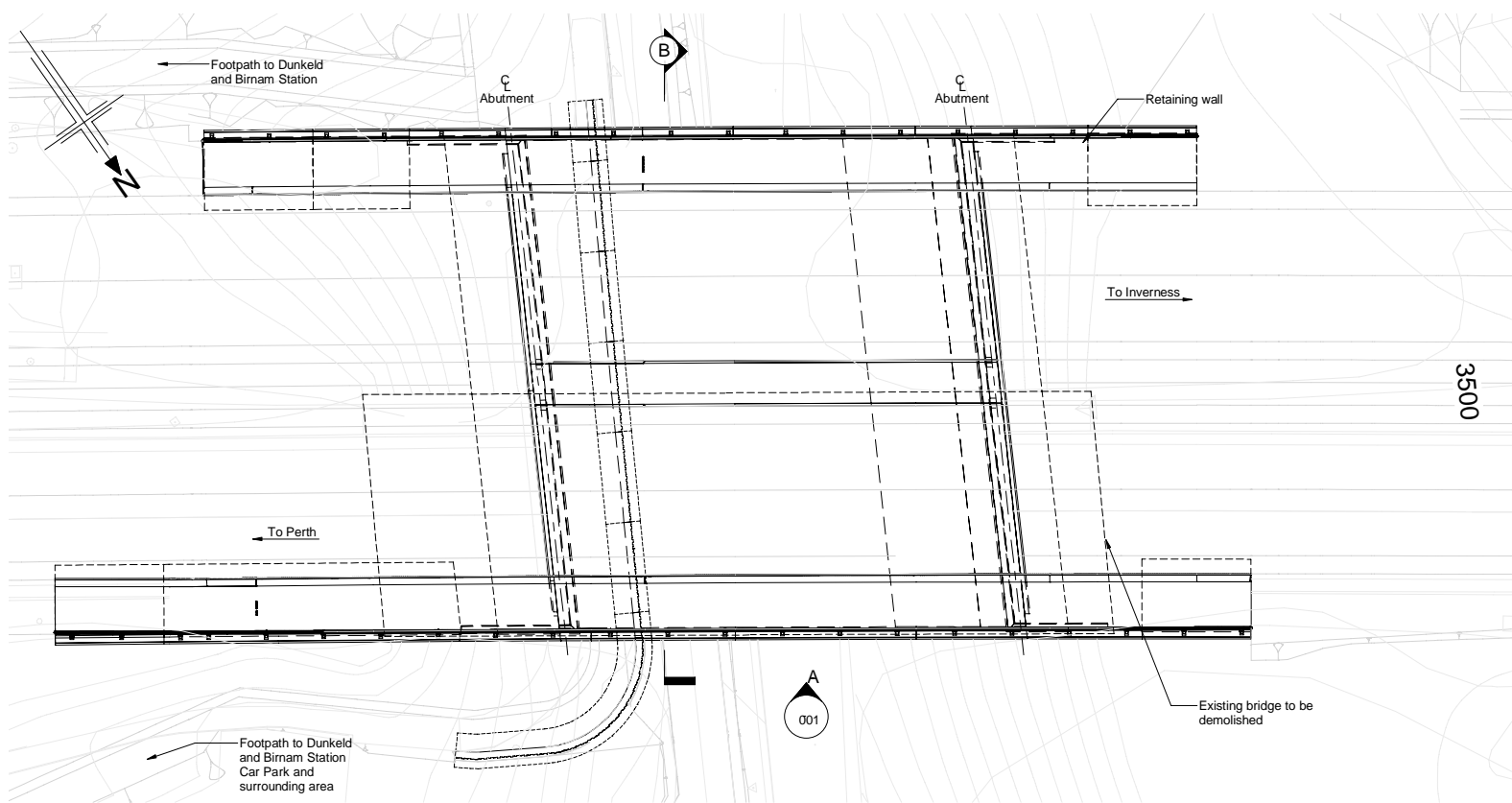


Drawing title

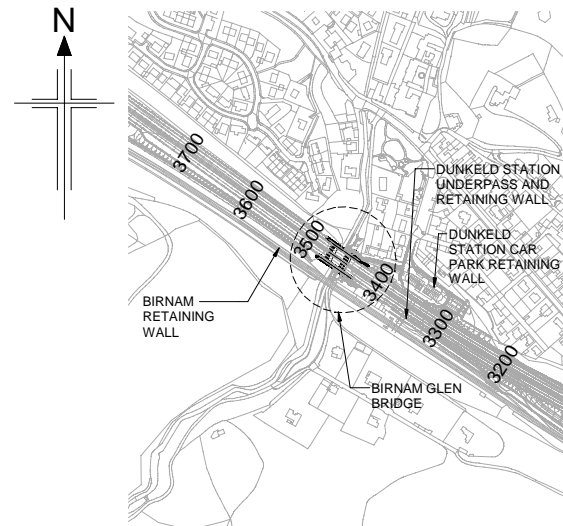
**PASS OF BIRNAM TO TAY CROSSING
BIRNAM JUNCTION BRIDGE
GENERAL ARRANGEMENT**

Drawing Status	S4 - ISSUED FOR STAGE APPROVAL		
Design Stage	DMRB STAGE 3		
Drawing Date	29/05/25		
Scale	As indicated @ A1	DO NOT SCALE	
Jacobs Project No.	B2140002		
Drawing Number	A9P02-JAC-SBR-D_ML022_ST-DR-ST-0001		Rev
			P01

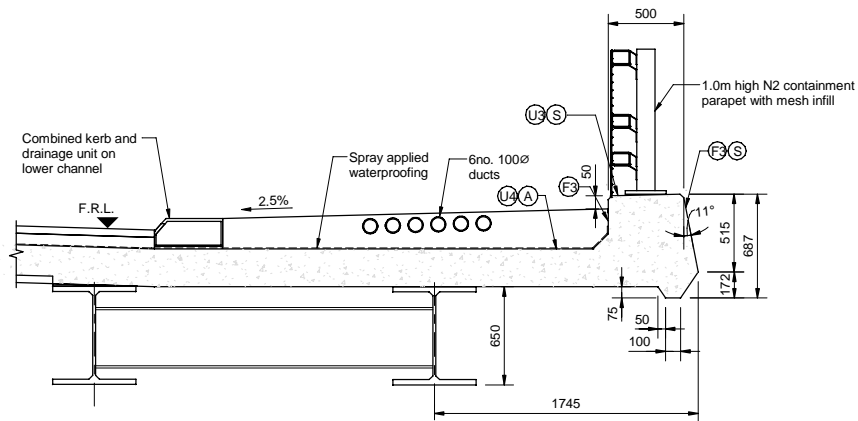
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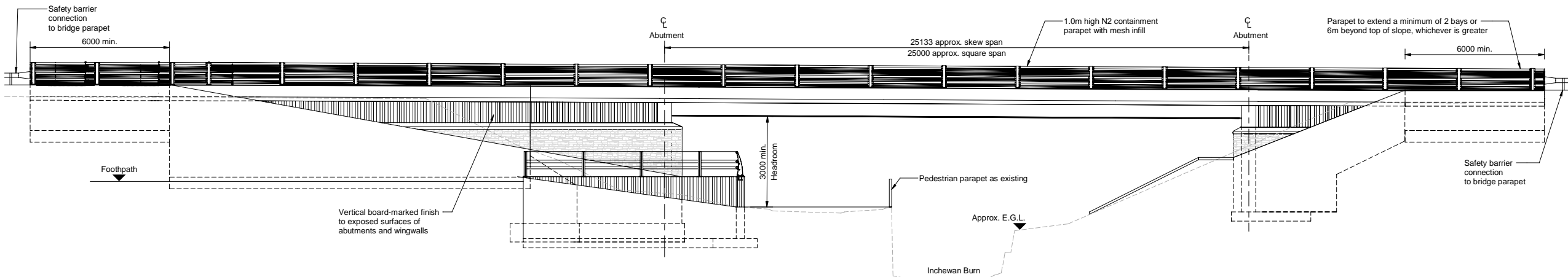
PLAN
(Scale 1 : 200)



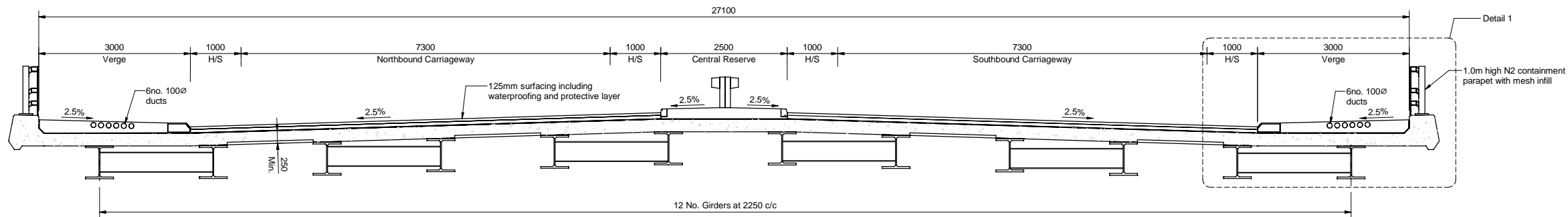
LOCATION PLAN
(Scale 1 : 5000)



DETAIL 1
(Scale 1 : 25)



ELEVATION A
(Scale 1 : 100)



SECTION B
(Scale 1 : 50)

- NOTES:**
- All dimensions are in millimetres unless noted otherwise.
 - All levels are in metres Above Ordnance Datum.
 - All chainages are in metres.
 - All exposed arrises to have 25x25 chamfers unless noted otherwise.
 - All details shown on this drawing are indicative only and subject to development.
 - Concrete finishes denoted thus:
 - Formed
 - Unformed
 - Concrete protection to be as follows:
 - Surface impregnation in accordance with Client's requirements.
 - Spray applied waterproofing in accordance with Cl. 2003 of the Specification.
 - Waterproofing of all buried concrete surfaces in accordance with Cl. 2004 of the Specification.

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 :	
CONSTRUCTION <ul style="list-style-type: none">Potential presence in existing structure of harmful substances (including asbestos) that can cause damage to health.Existing structure may not be accurately represented by record drawings.Position of the existing structure may not be as shown.Condition of existing structure may not be as anticipated.Nature and position of the existing structure foundations to be verified by investigation before construction. Stability of the existing structure in temporary situations to be verified.Structure stability to be checked during break-out / demolition of the existing structure.Service survey required before commencing Works.Temporary works to be provided to ensure full support during beam installation and in temporary situations.Potential presence of ground gas to be considered during excavation.Potential presence of soil/groundwater contamination to be considered during excavation.Risk of inundation of site due to flood waters.	
MAINTENANCE / CLEANING <ul style="list-style-type: none">Service survey required before commencing Works.	
DECOMMISSIONING / DEMOLITION <ul style="list-style-type: none">Service survey required before commencing Works.	
It is assumed that all works will be carried out by a competent Contractor working, where appropriate, to an approved method statement	

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P01	29/05/25	DMRB STAGE 3 REPORT - FINAL	PS	SH	MAM	MP
Rev	Rev. Date	Purpose of revision	Draw	Chkd	Rev'd	App'd

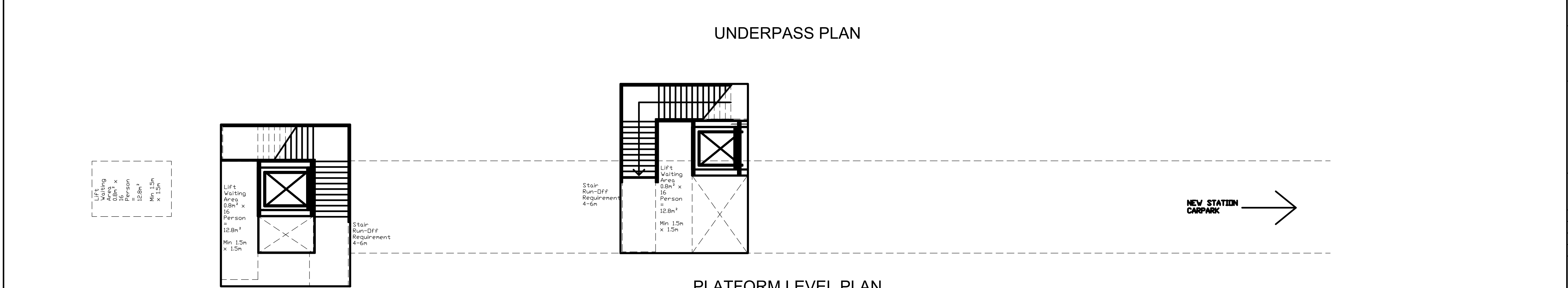
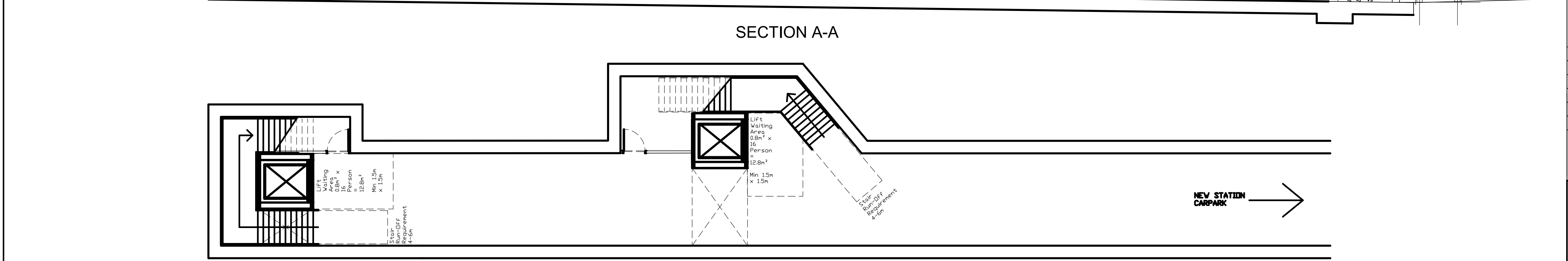
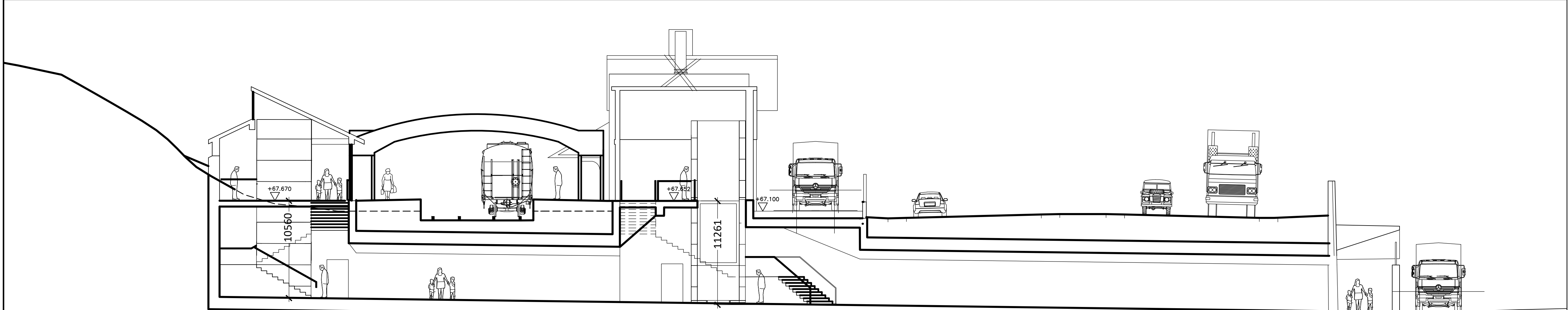
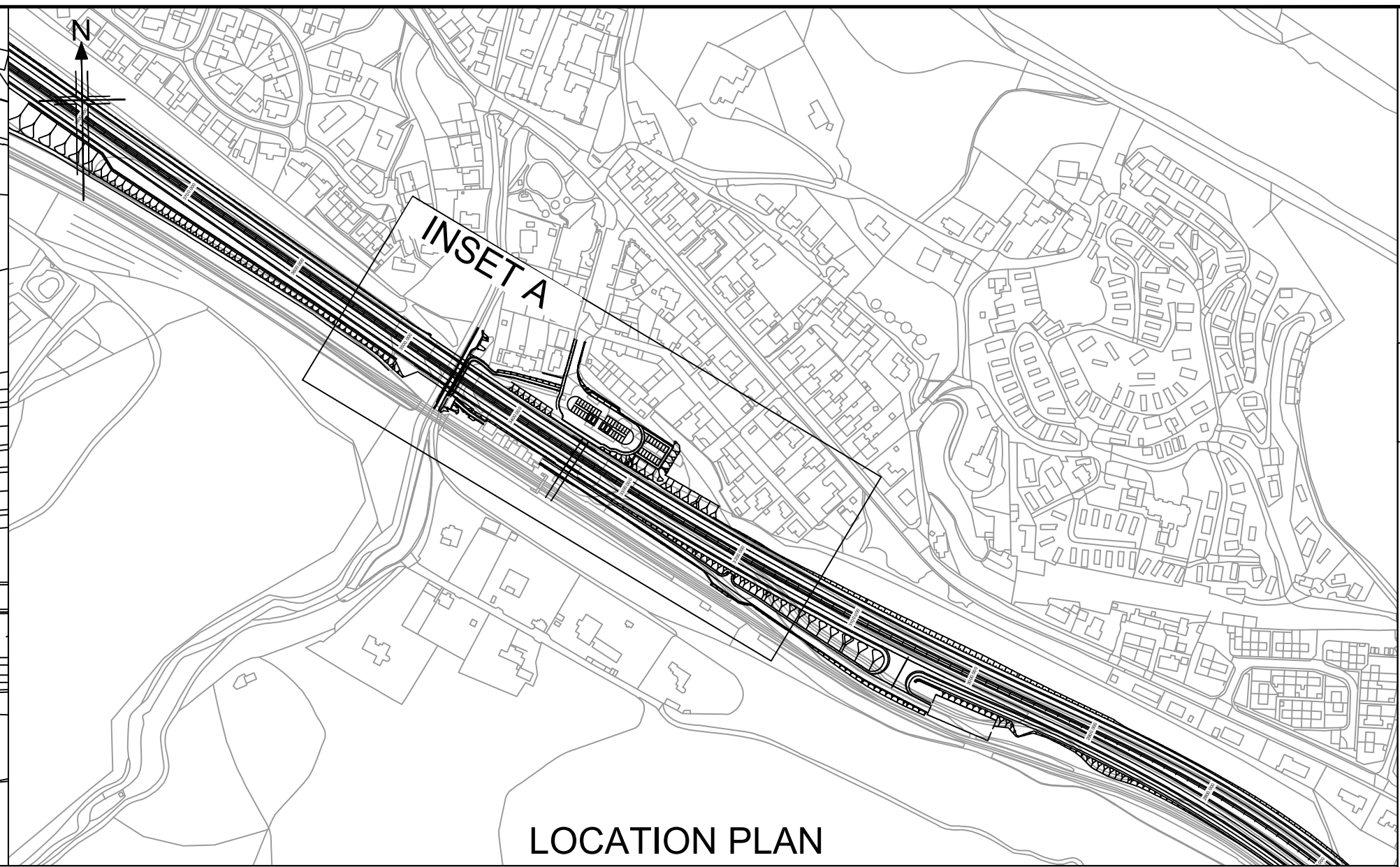
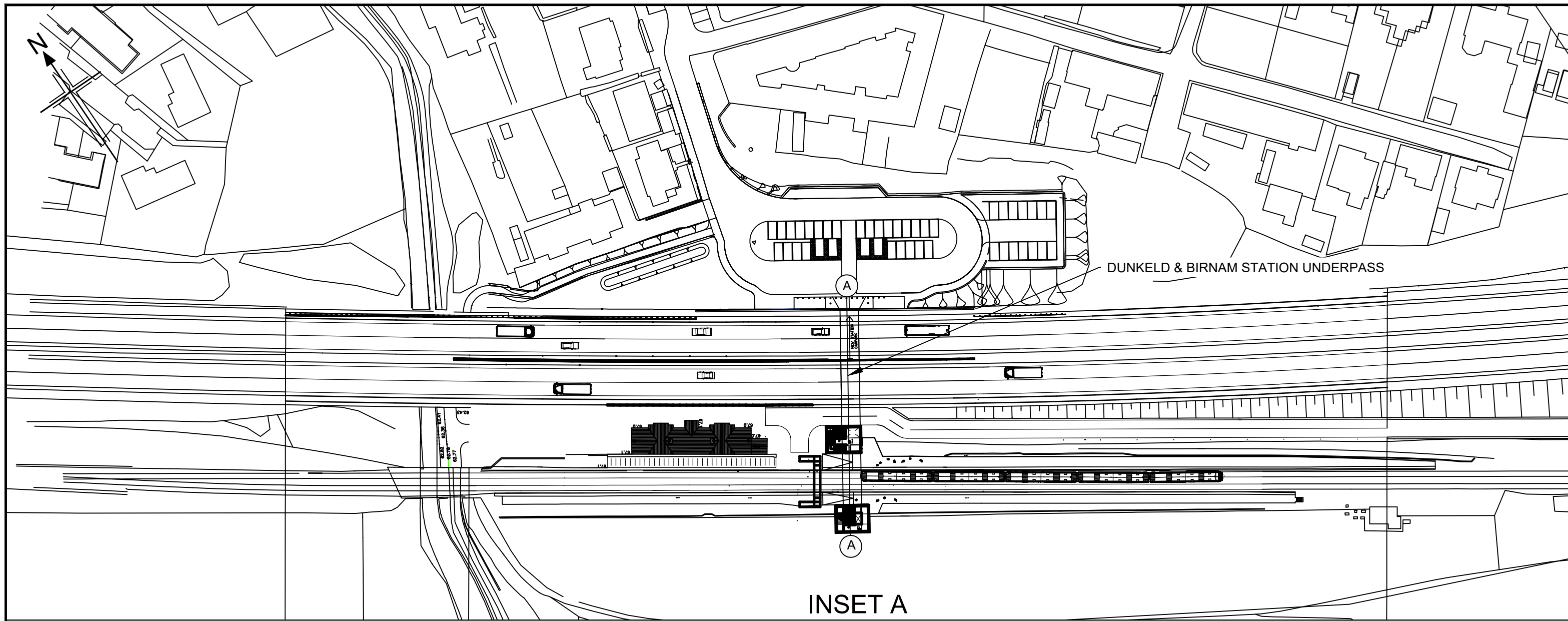
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**PASS OF BIRNAM TO TAY CROSSING
BIRNAM GLEN BRIDGE
GENERAL ARRANGEMENT**

Drawing Status	S4 - ISSUED FOR STAGE APPROVAL	
Design Stage	DMRB STAGE 3	
Drawing Date	29/05/25	
Scale	As indicated @ A1	DO NOT SCALE
Jacobs Project No.	B2140002	
Drawing Number	A9P02-JAC-SBR-D_ML034_ST-DR-ST-0001	Rev
		P01

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- Notes:
- All dimensions are in millimetres unless noted otherwise.
 - All levels are in metres Above Ordnance Datum.
 - All chainages are in metres.
 - All exposed arrises to have 25x25 chamfers unless noted otherwise.
 - All details shown on this drawing are indicative only and subject to development.

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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 :
CONSTRUCTION <ul style="list-style-type: none">- Service survey required before commencing Works.- Potential presence of soil/groundwater contamination and ground gas to be considered during excavation.- Stability of existing railway footbridge and station buildings to be monitored
MAINTENANCE / CLEANING <ul style="list-style-type: none">- Service survey required before commencing Works.
DECOMMISSIONING / DEMOLITION <ul style="list-style-type: none">- Service survey required before commencing Works.
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

P01.1	29/05/25	ISSUED FOR STAGE 3 REPORT	CK	MM	AB	MP
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Designer: **Jacobs.**



Drawing title
**DMRB STAGE 3
DUNKELD & BIRNAM STATION
UNDERPASS
GENERAL ARRANGEMENT**

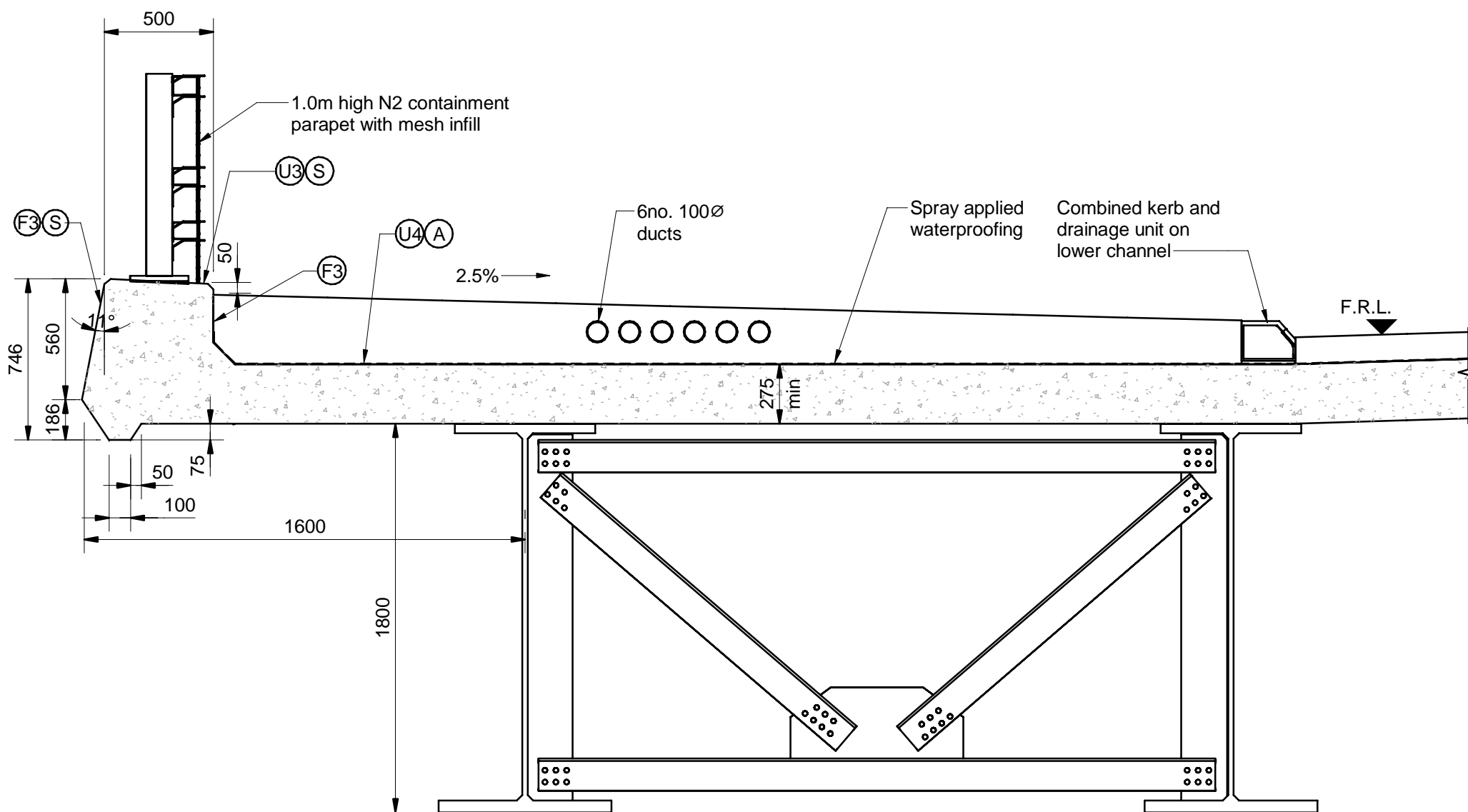
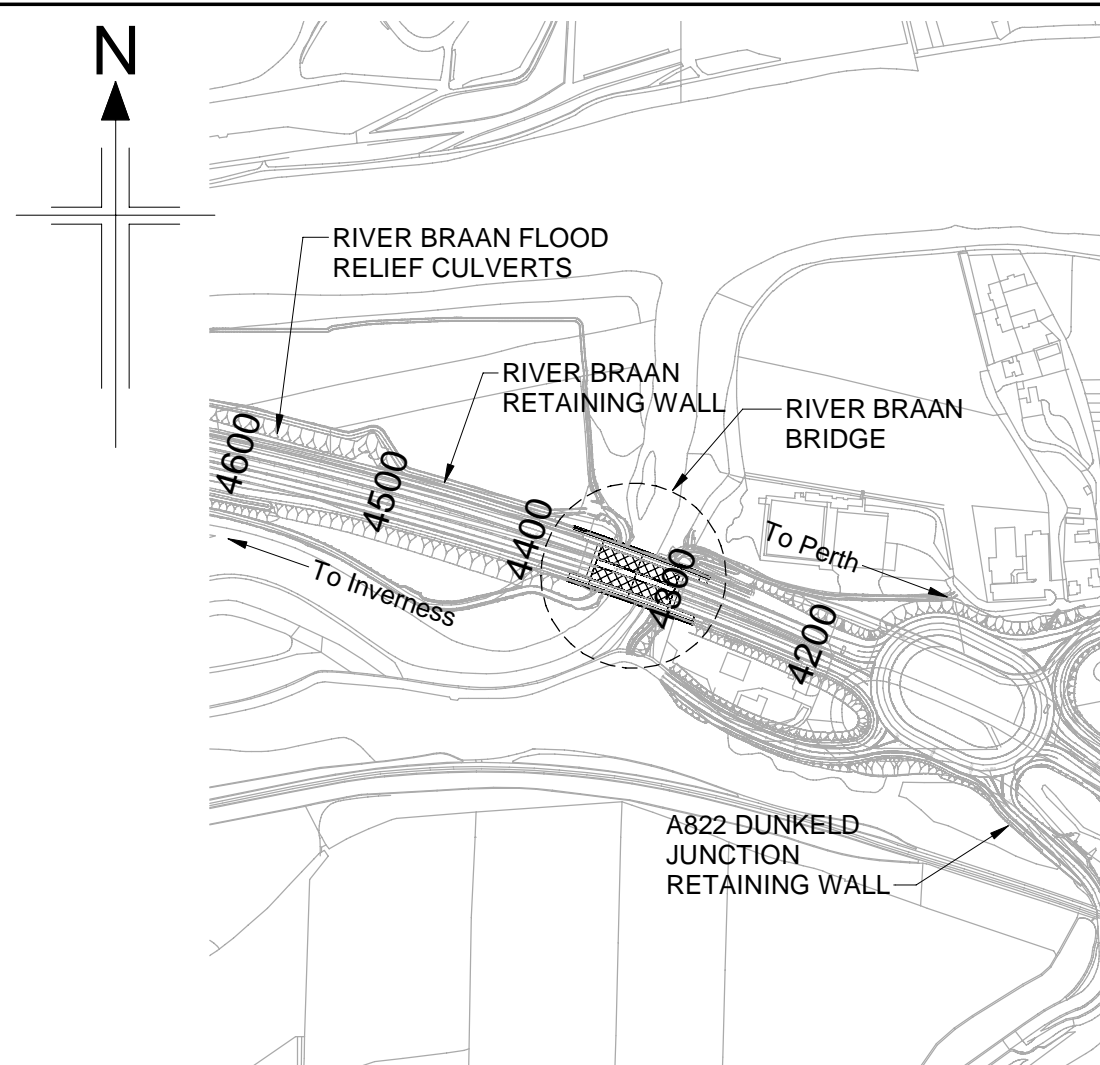
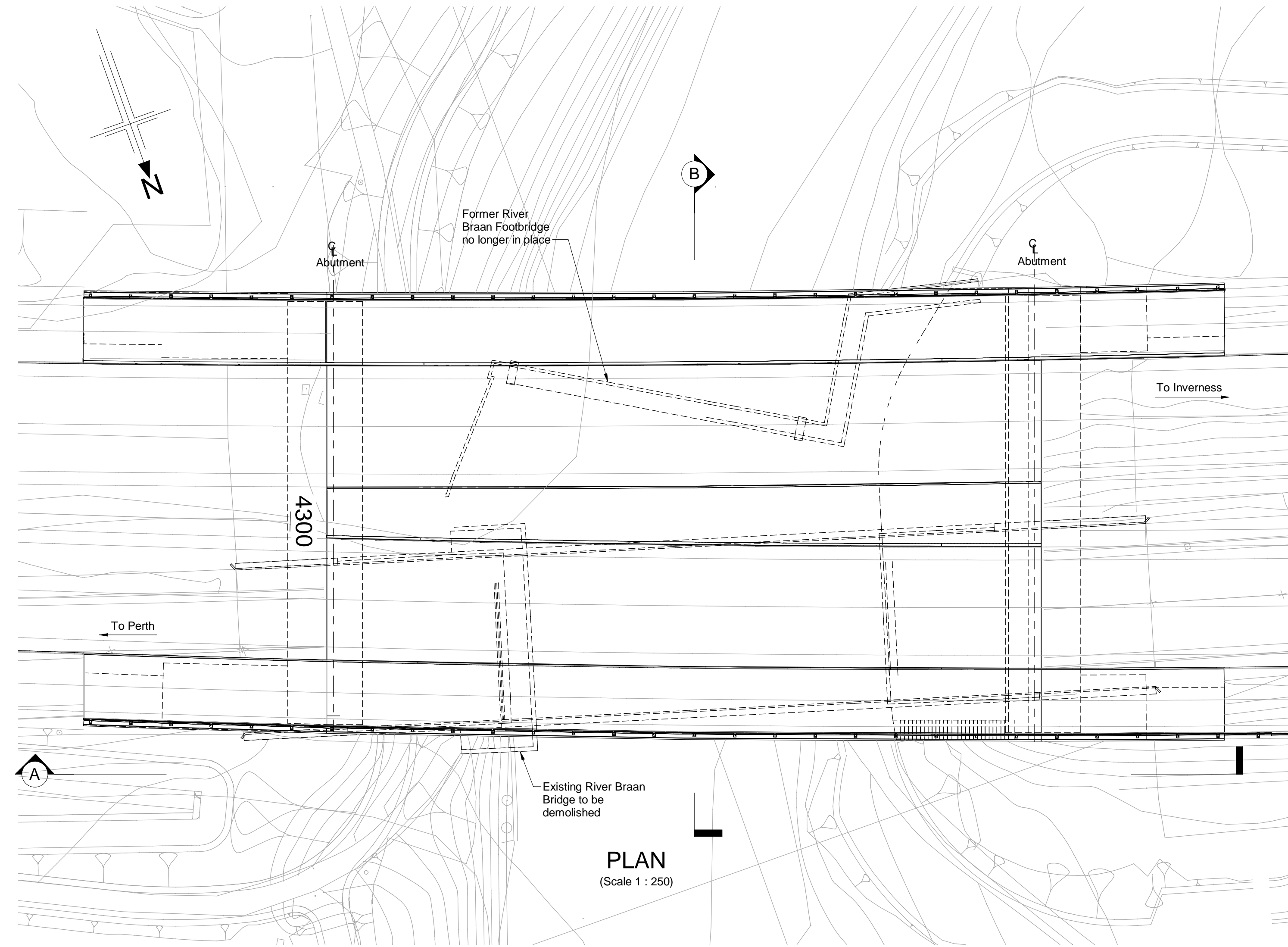
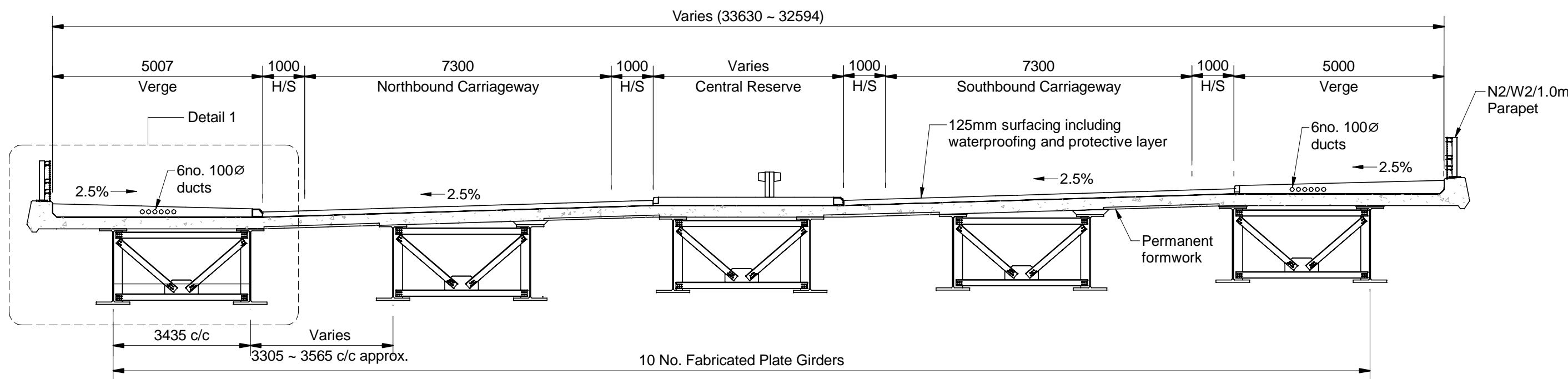
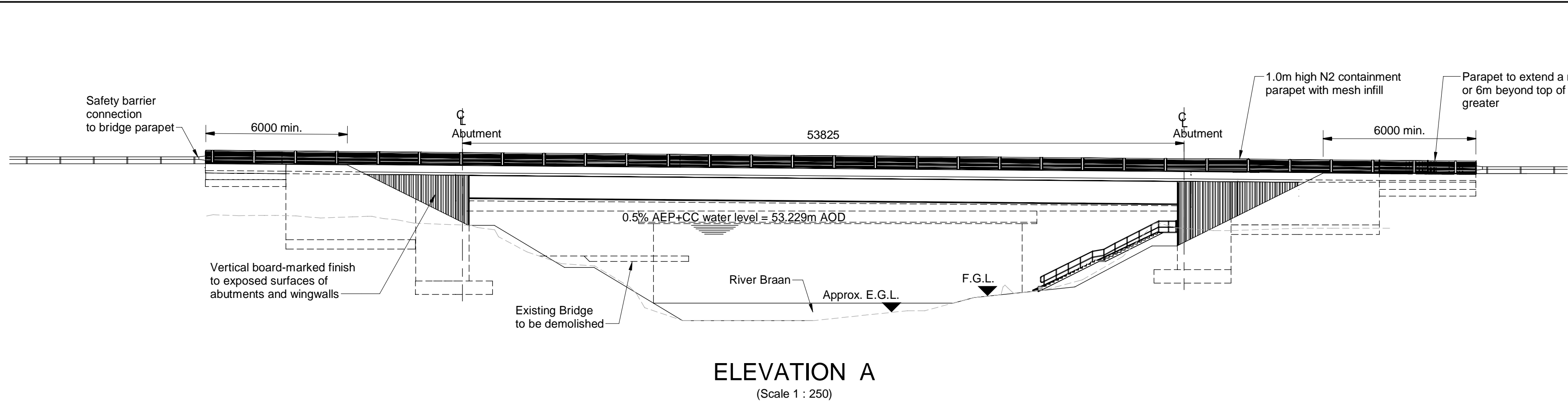
Drawing status
S4 ISSUED FOR STAGE APPROVAL

State	NTS	DO NOT SCALE
Scale	B2140002	Rev
Jacobs No.	B2140002	P01
Client no.	TS/MTRIPS/SER/2013/03	

Drawing number
A9P02 - JAC - SBR - D_ML033_ST -DR-CI-0001

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DETAIL 1
(Scale 1 : 25)

NOTES:

1. All dimensions are in millimetres unless noted otherwise.
2. All levels are in metres Above Ordnance Datum.
3. All chainages are in metres.
4. All exposed arrises to have 25x25 chamfers unless noted otherwise.
5. All details shown on this drawing are indicative only and subject to development.
6. Concrete finishes denoted thus:
 - Ⓔ Formed
 - Ⓐ Unformed
7. Concrete protection to be as follows:
 - Ⓢ Surface impregnation in accordance with Client's requirements.
 - Ⓐ Spray applied waterproofing in accordance with Cl. 2003 of the Specification.
 - Ⓑ Waterproofing of all buried concrete surfaces in accordance with Cl. 2004 of the Specification.

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MAINTENANCE / CLEANING <ul style="list-style-type: none">- Service survey required before commencing Works.	
DECOMMISSIONING / DEMOLITION <ul style="list-style-type: none">- Service survey required before commencing Works.	
It is assumed that all works will be carried out by a competent Contractor working, where appropriate, to an approved method statement	

P01	28/05/23	DMRB STAGE 3 REPORT - FINAL	PS	SH	MAM	MP
Rev	Rev. Date	Purpose of revision	Drawn	Chk'd	Rev'd	Apr'd

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Project

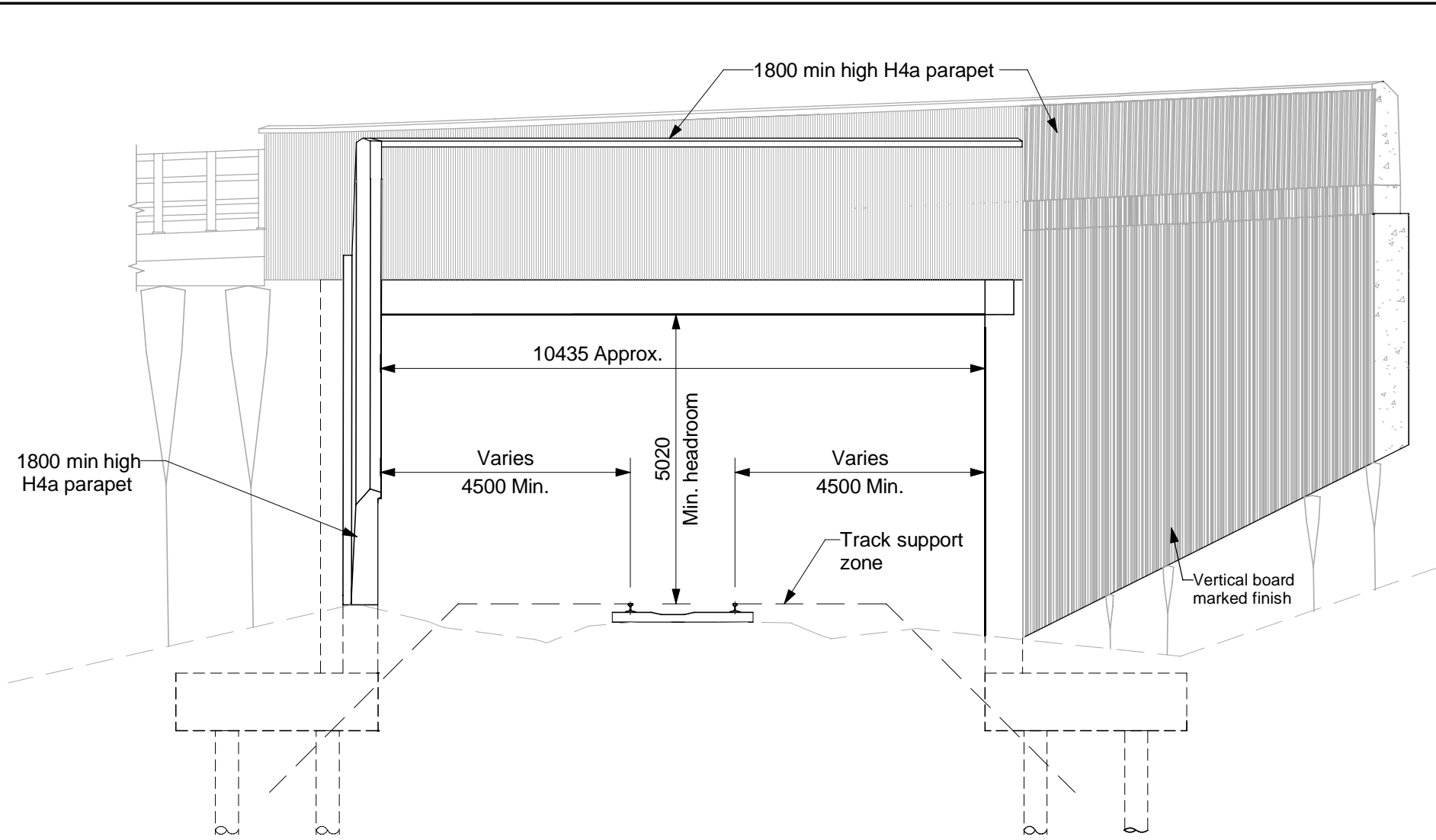


Drawing title

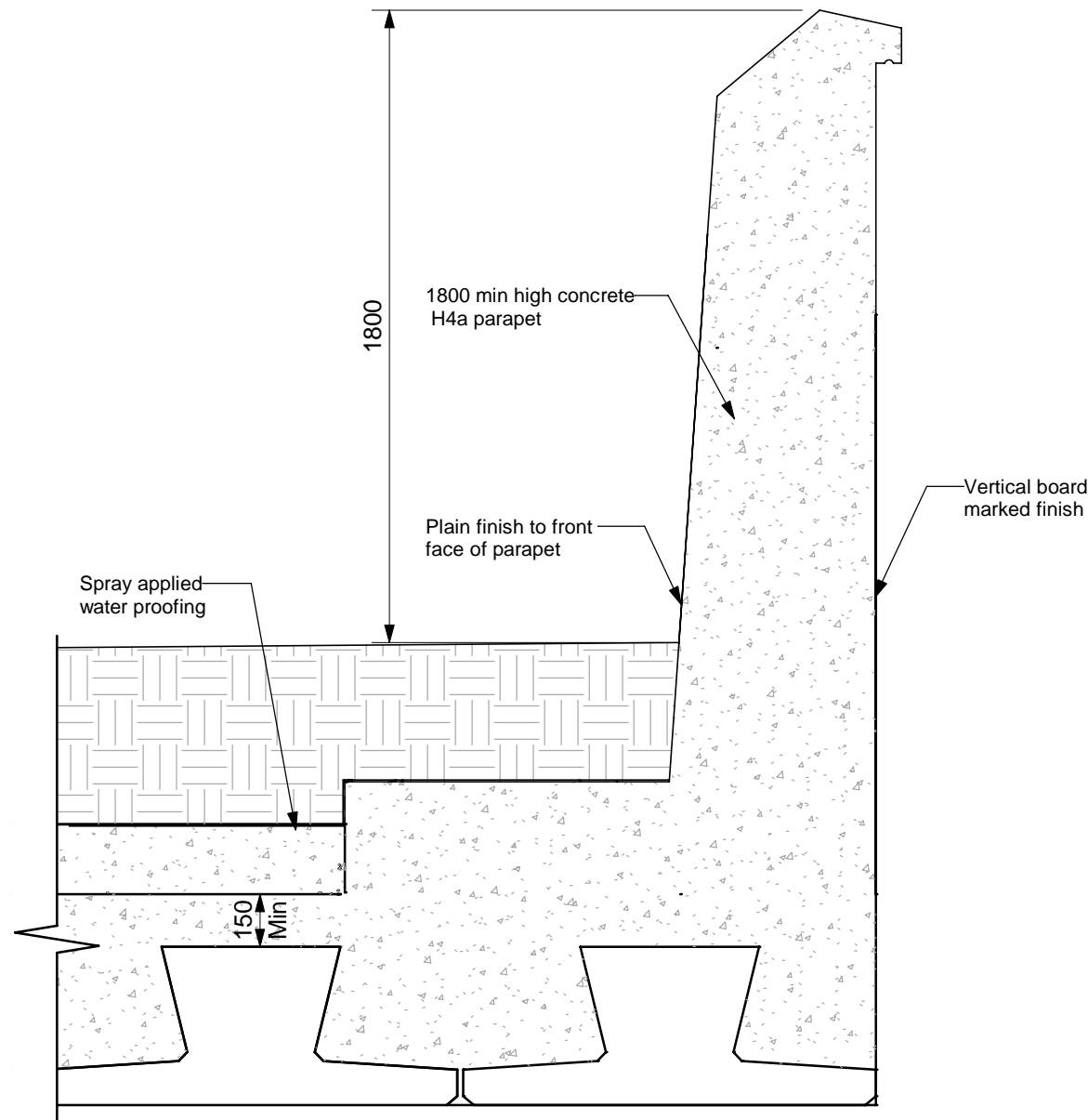
**PASS OF BIRNAM TO TAY CROSSING
RIVER BRAAN BRIDGE
GENERAL ARRANGEMENT**

Drawing Status	S4 - ISSUED FOR STAGE APPROVAL	
Design Stage	DMRB STAGE 3	
Drawing Date	28/05/25	
Scale	As indicated @ A1	DO NOT SCALE
Jacobs Project No.	B2140002	
Drawing Number	A9P02-JAC-SBR-D_ML043_ST-DR-ST-0001	Rev
		P01

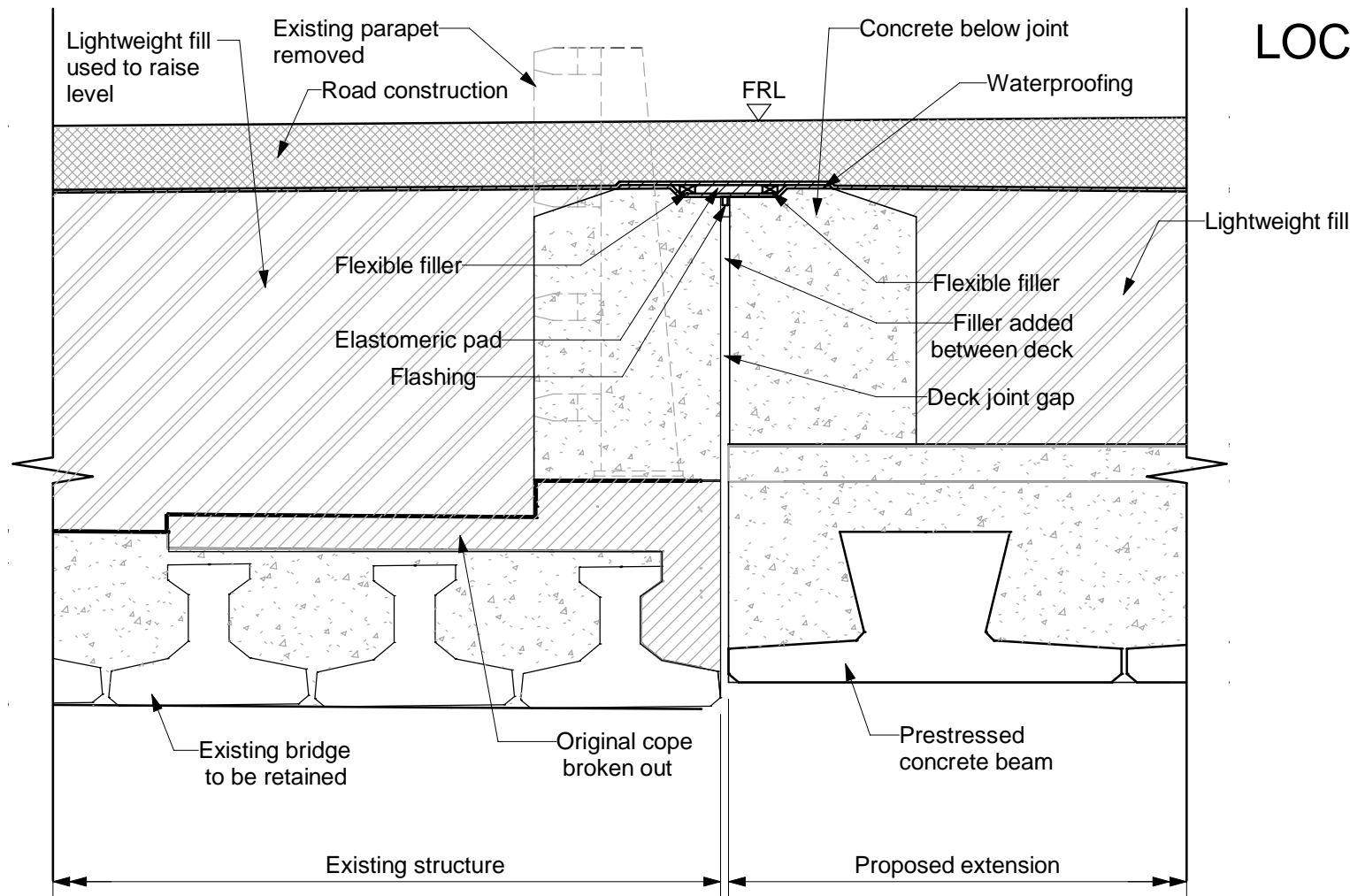
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ELEVATION A
SCALE 1 : 100

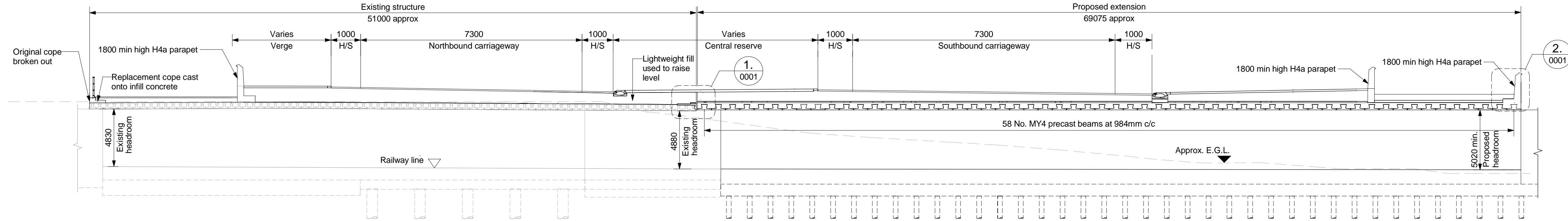
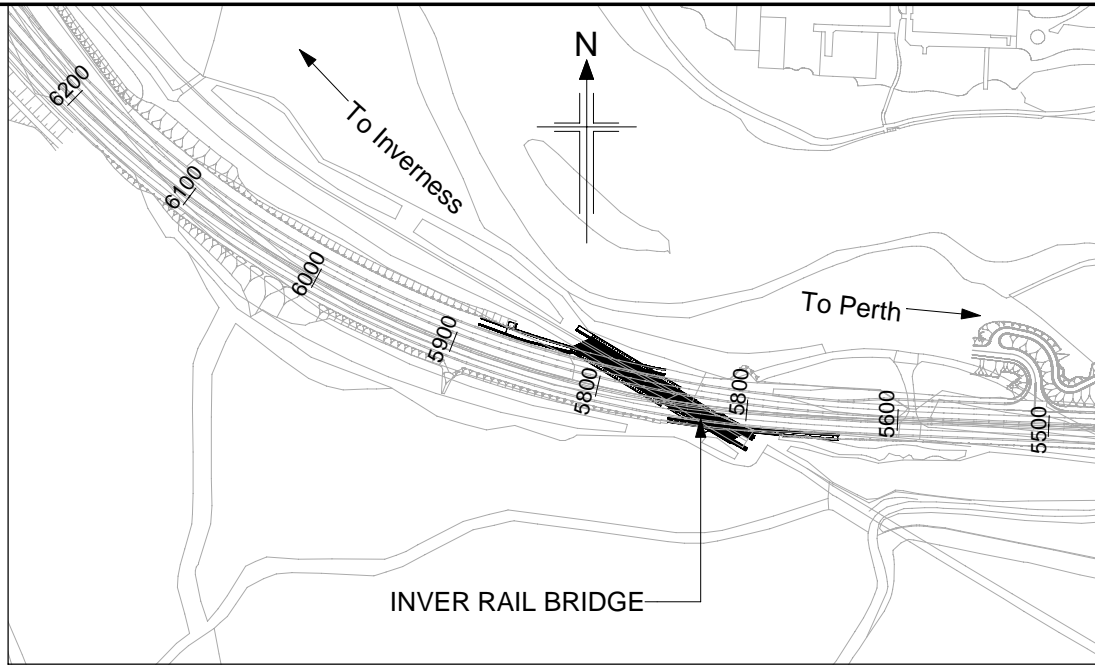


DETAIL 2
SCALE 1 : 20

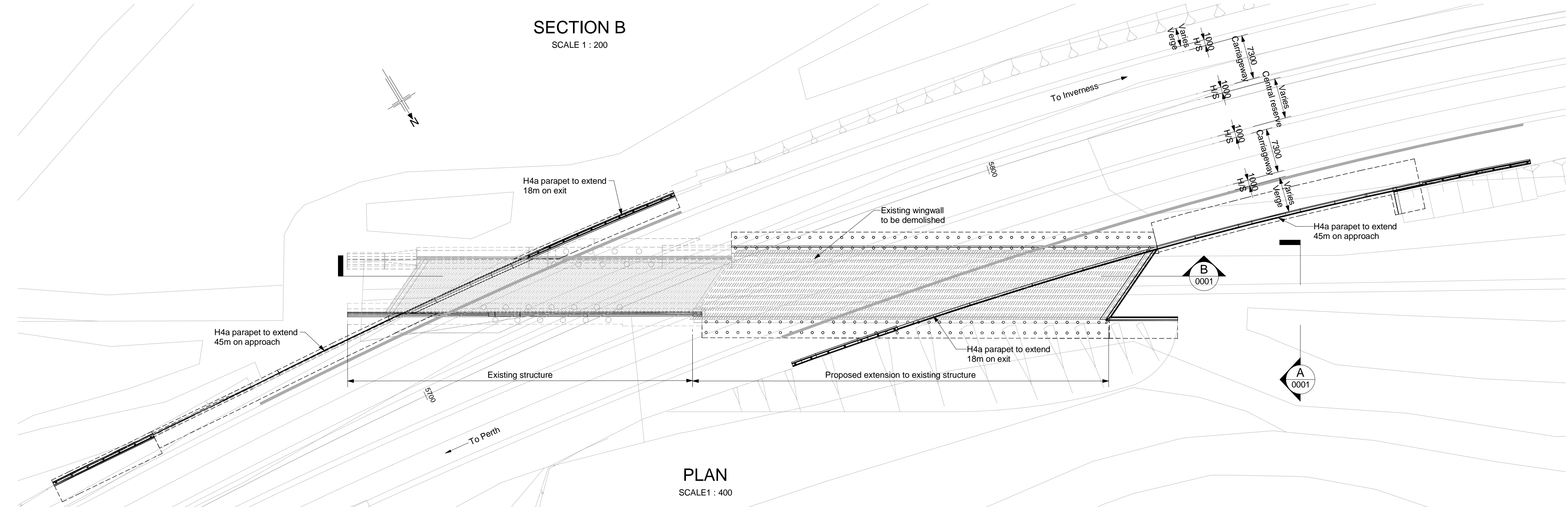


DETAIL 1
SCALE 1 : 20

LOCATION PLAN
SCALE 1 : 5000



SECTION B
SCALE 1 : 200



PLAN
SCALE 1 : 400

NOTES:

1. All dimensions are in millimetres unless noted otherwise.
2. All levels are in metres Above Ordnance Datum.
3. All chainages are in metres.
4. All exposed arrises to have 25x25 chamfers unless noted otherwise.
5. All details shown on this drawing are indicative only and subject to development.

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CONSTRUCTION <ul style="list-style-type: none">- Potential presence in existing structure of harmful substances (including asbestos) that can cause damage to health.- Existing structure may not be accurately represented by record drawings.- Position of the existing structure may not be as shown.- Condition of existing structure may not be as anticipated.- Nature and position of the existing structure foundations to be verified by investigation before construction.- Stability of the existing structure in temporary situations to be verified.- Structure stability to be checked during modification of the existing structure.- Service survey required before commencing Works.- Temporary works to be provided to ensure full support during beam installation and in temporary situations.- Potential presence of ground gas to be considered during excavation.- Potential presence of soil/groundwater contamination to be considered during excavation.- Potential presence of ground gas to be considered during piling.	
MAINTENANCE / CLEANING <ul style="list-style-type: none">- Service survey required before commencing Works.	
DECOMMISSIONING / DEMOLITION <ul style="list-style-type: none">- Potential presence in existing structure of harmful substances (including asbestos) that can cause damage to health.- Existing structure may not be accurately represented by record drawings.- Service survey required before commencing Works.	
It is assumed that all works will be carried out by a competent Contractor working, where appropriate, to an approved method statement	

P01	11/04/25	DMRB STAGE 3 REPORT - FINAL	PS	SH	MAM	MP
Rev	Rev. Date	Purpose of revision	Drawn	Chk'd	Rev'd	Apr'd

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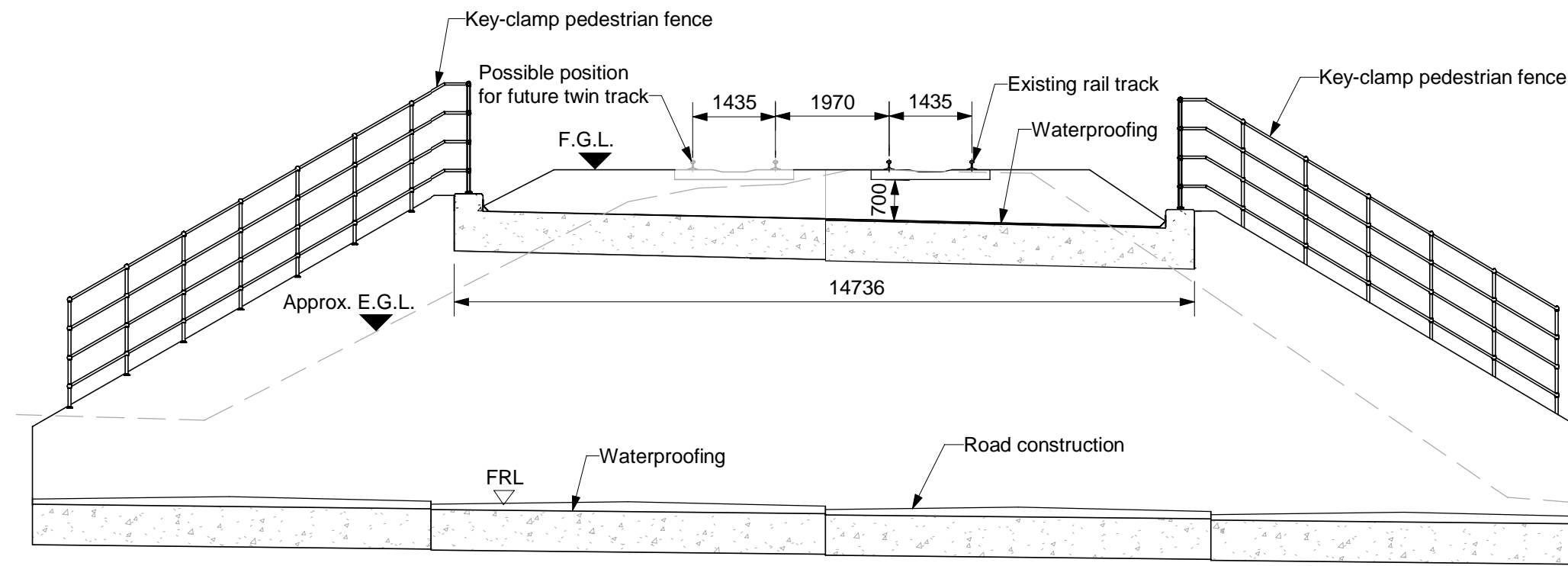


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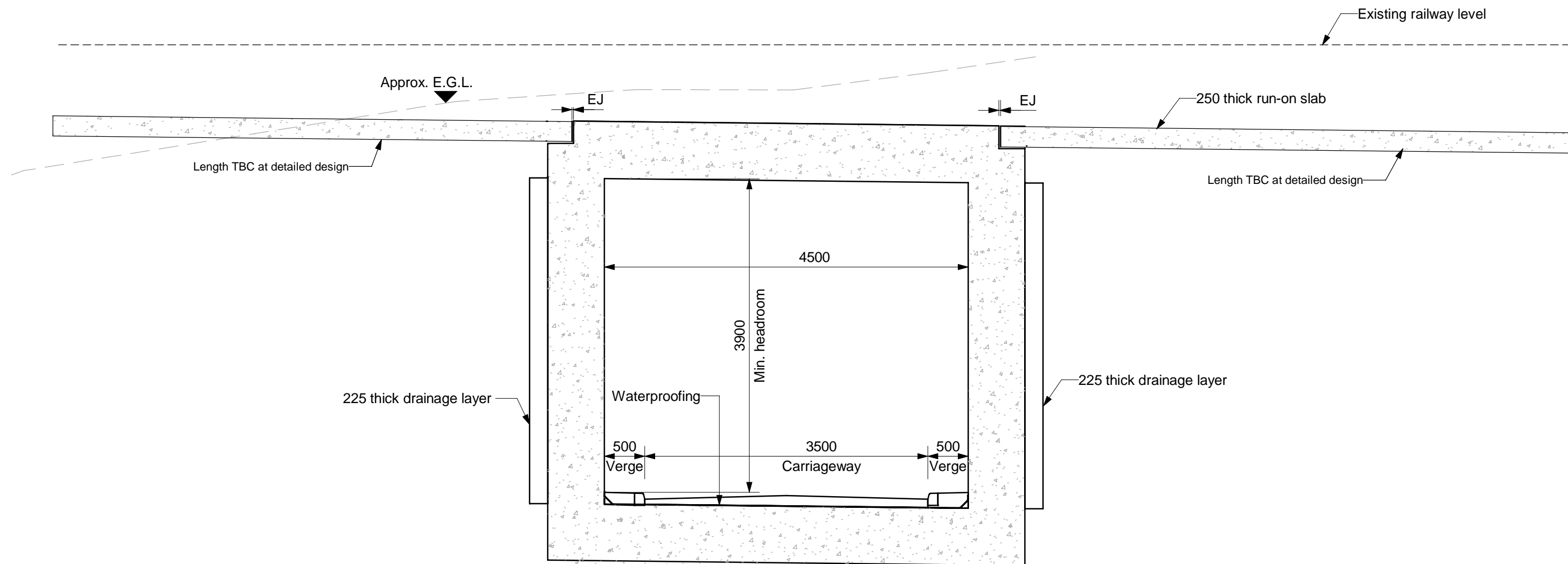
PASS OF BIRNAM TO TAY CROSSING
DMRB STAGE 3
INVER RAIL BRIDGE
GENERAL ARRANGEMENT

Drawing Status	S4 - ISSUED FOR STAGE APPROVAL		
Design Stage	DMRB STAGE 3		
Drawing Date	11/04/25		
Scale	As indicated @ A1	DO NOT SCALE	
Jacobs Project No.	B2140002		
Drawing Number	A9P02-JAC-SBR-D_ML057_ST-DR-ST-0001		Rev
			P01

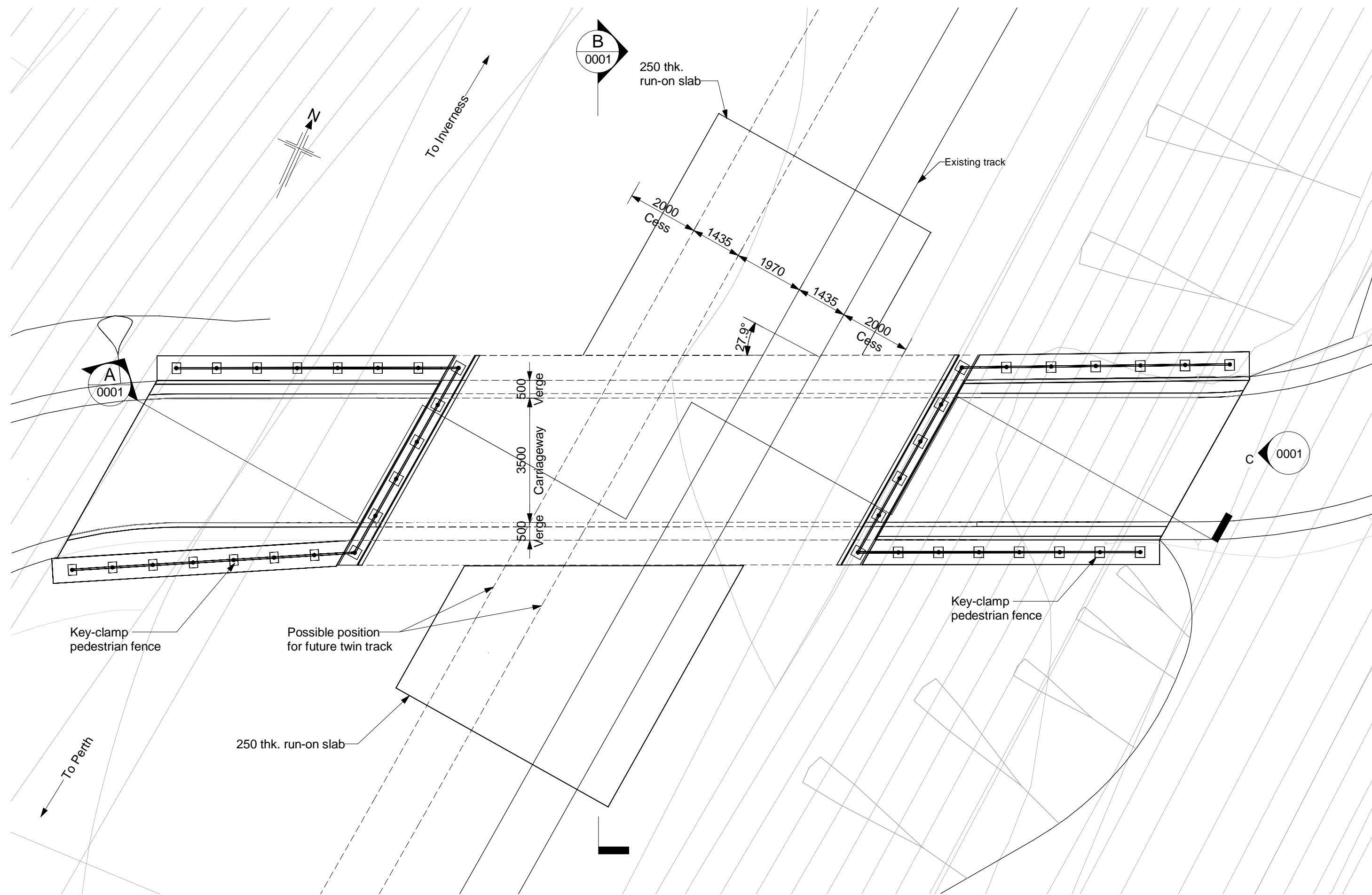
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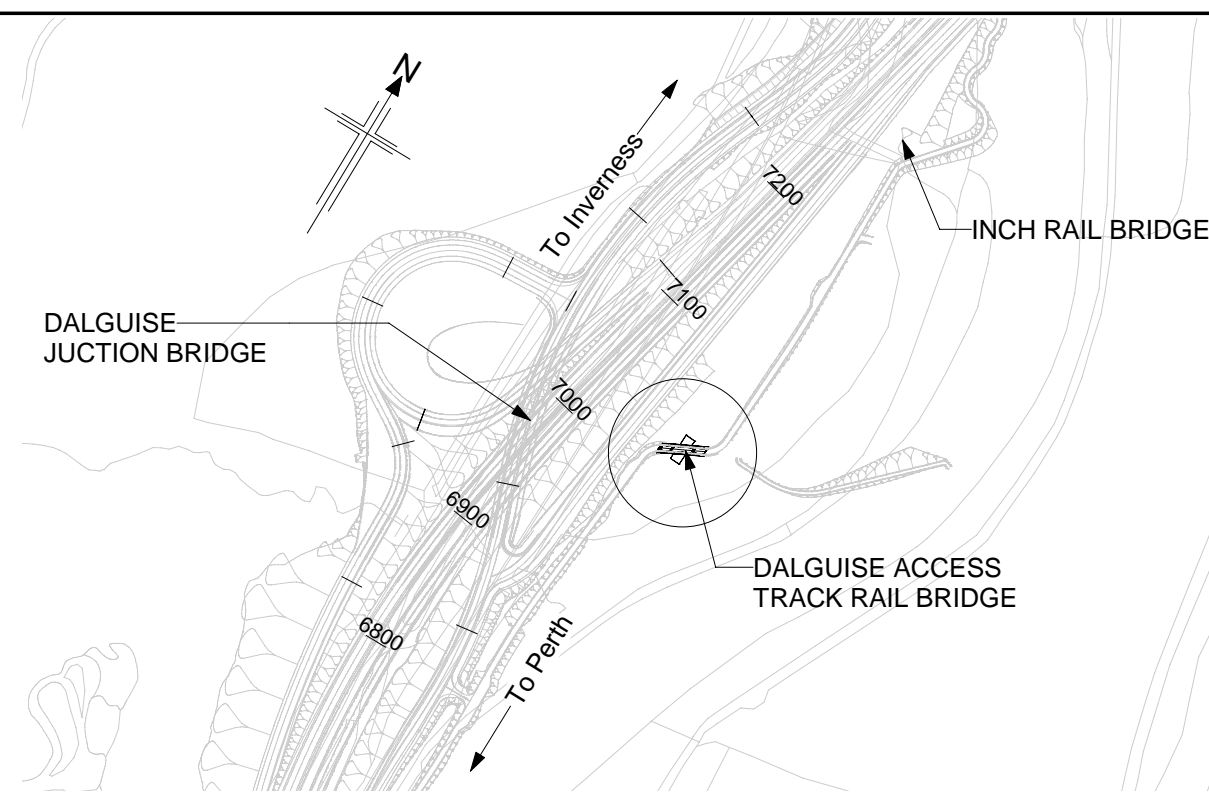
SECTION A
(Scale 1 : 100)



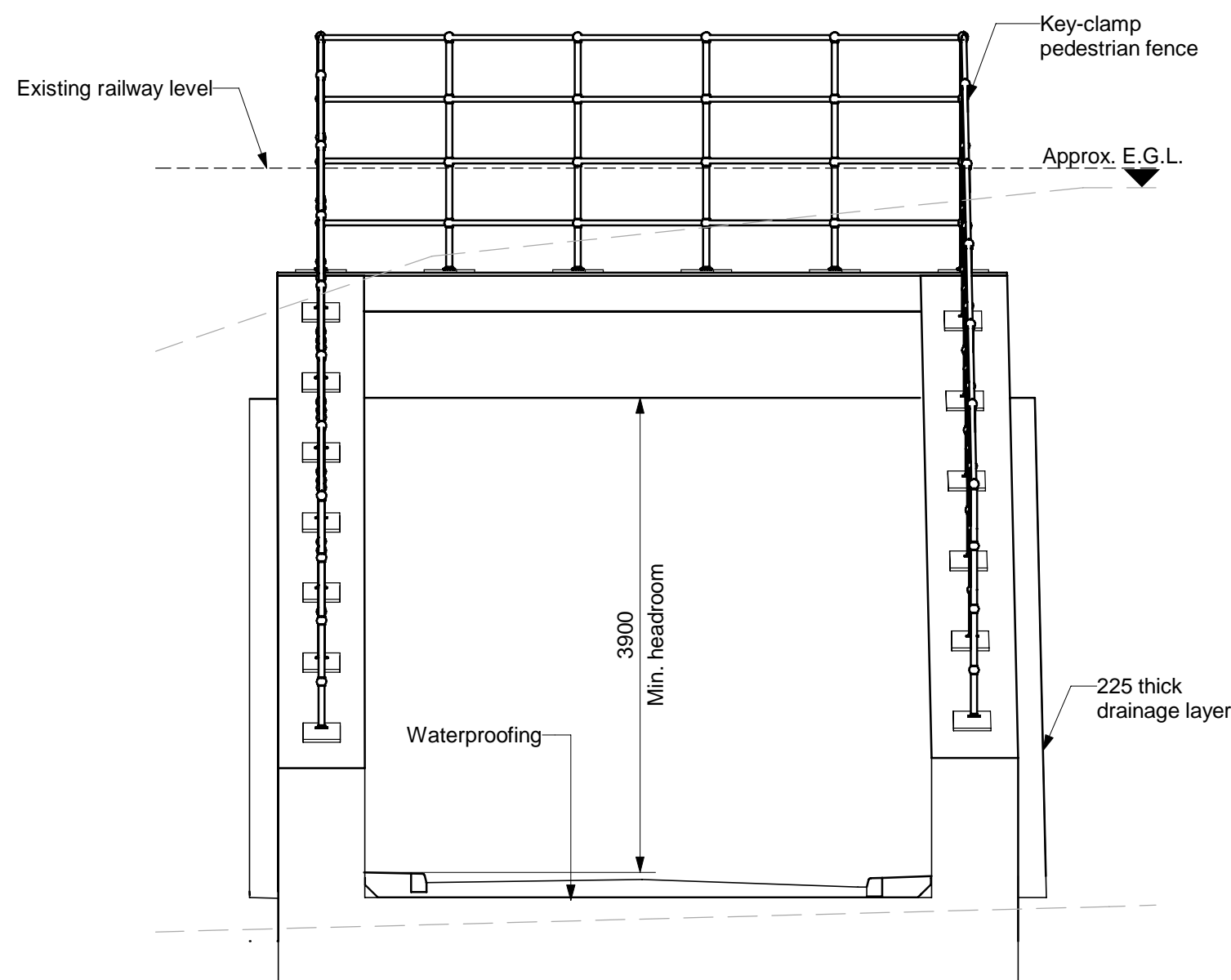
SECTION B
(Scale 1 : 50)



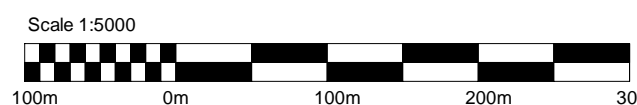
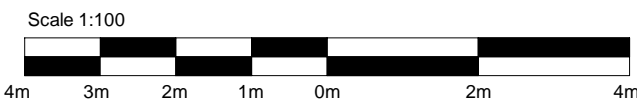
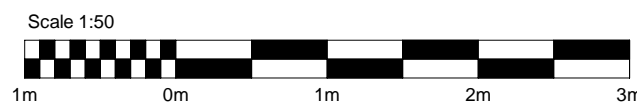
PLAN
(Scale 1 : 100)



LOCATION PLAN
(Scale 1 : 5000)



ELEVATION C
(Scale 1 : 50)



NOTES:

1. All dimensions are in millimetres unless noted otherwise.
2. All levels are in metres Above Ordnance Datum.
3. All chainages are in metres.
4. All exposed arrises to have 25x25 chamfers unless noted otherwise.
5. All details shown on this drawing are indicative only and subject to development.
6. Track monitoring to be undertaken following track reinstatement. A track monitoring plan is to be developed in accordance with the requirements set out in NR/L2/CIV/177.
7. Excavation is to be in accordance with HSE standard HSG47 and NR/L2/INI/CP1030 to avoid damage to buried services.
8. Any exposed cables are to be protected with split duct and supported over the excavation for the duration of the works.
9. Signalling and telecoms maintenance teams are to be on standby to verify the functionality of all potentially affected systems at the end of the works.
10. Rail cut locations are to be determined during the detailed design phase. The contractor is to develop a stress restoration plan in accordance with the relevant standard.
11. Considerations for replicating the existing track formation stiffness with the reinstated fill are to be made at the detailed design stage to avoid creating a hard spot.

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:

CONSTRUCTION

- Service survey required before commencing Works.
- Track levels to be monitored post installation / reinstatement in line with NR/L2/CIV/177.
- Temporary works to be designed to guard against uncontrolled movement of structure during installation. Suitable exclusion zones to be created.
- Potential presence of ground gas to be considered during excavation.
- Potential presence of soil/groundwater contamination to be considered during excavation.

MAINTENANCE / CLEANING

- Service survey required before commencing Works.

DECOMMISSIONING / DEMOLITION

- Service survey required before commencing Works.

It is assumed that all works will be carried out by a competent Contractor working, where appropriate, to an approved method statement

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P01	24/04/25	DMRB STAGE 3 REPORT - FINAL	PS	SH	MAM	MP
Rev	Rev. Date	Purpose of revision	Drawn	Chk'd	Rev'd	Apr'd

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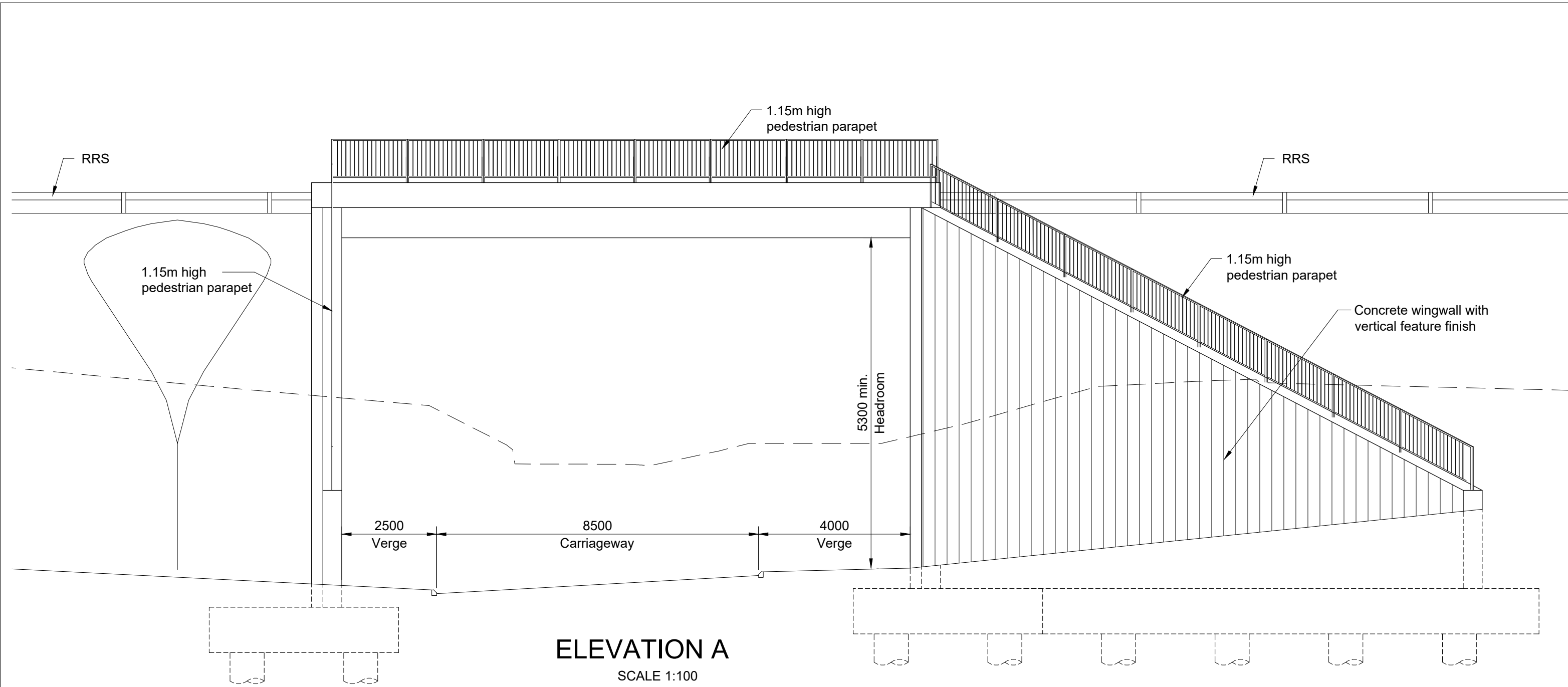


Drawing title

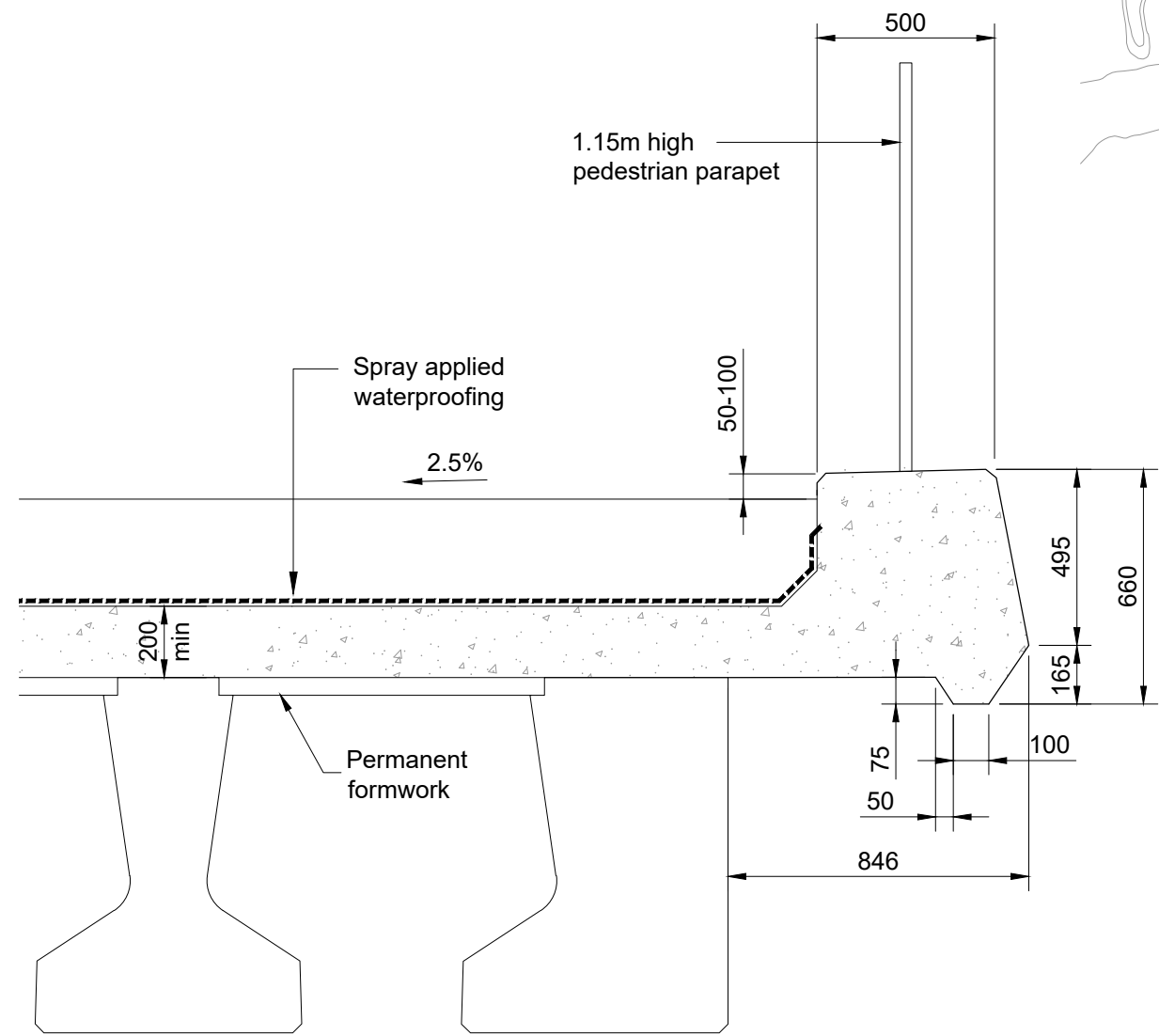
PASS OF BIRNAM TO TAY CROSSING
DALGUISE ACCESS TRACK RAIL BRIDGE
GENERAL ARRANGEMENT

Drawing Status	S4 - ISSUED FOR STAGE APPROVAL	
Design Stage	DMRB STAGE 3	
Drawing Date	Sheet Issue Date	
Scale	As indicated @ A1	DO NOT SCALE
Jacobs Project No.	B2140002	
Drawing Number	A9P02-JAC-SBR-D_SR069_ST-DR-ST-0001	Rev P01

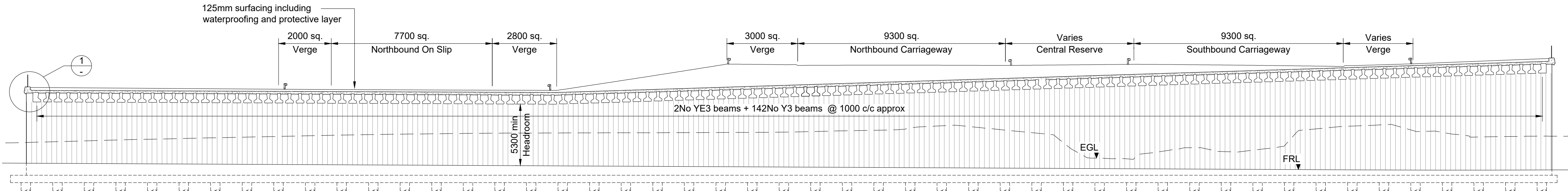
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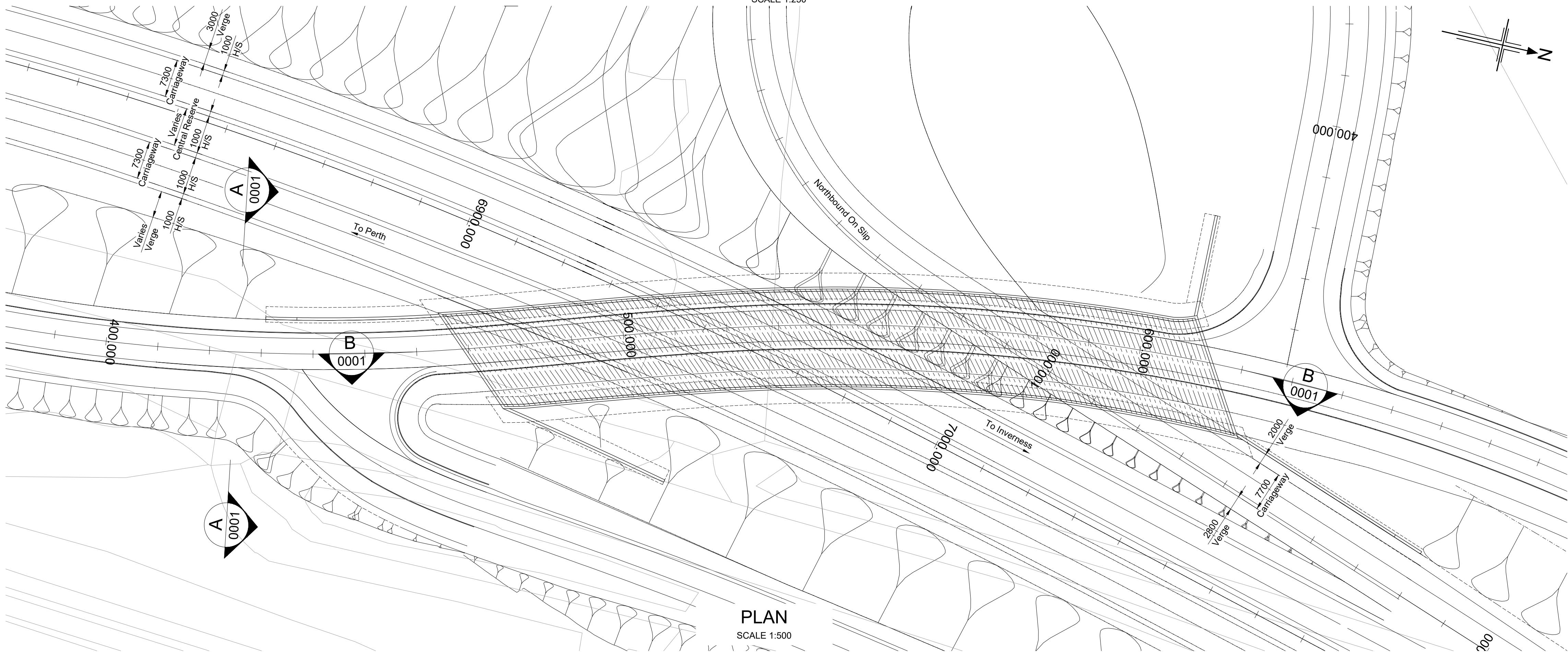
ELEVATION A
SCALE 1:100



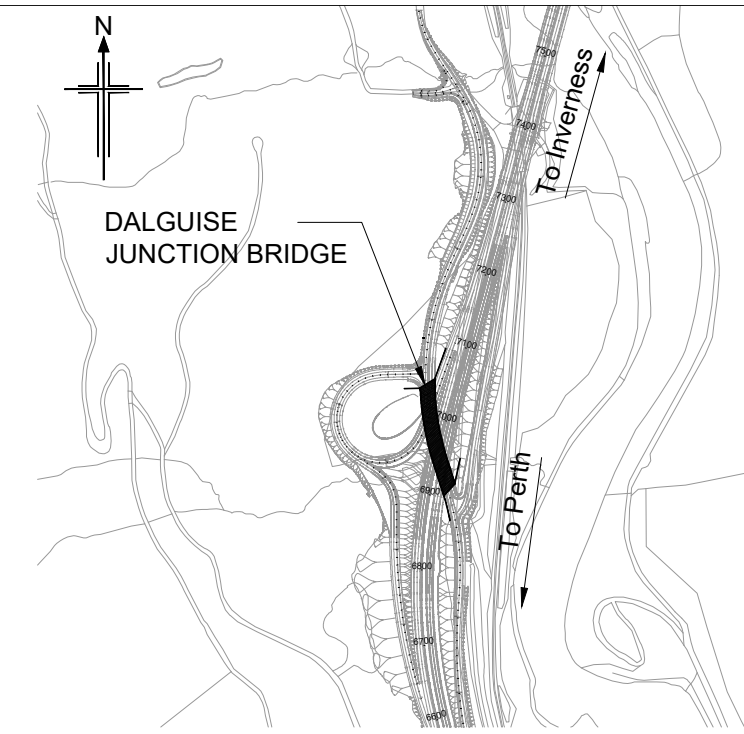
DETAIL 1
SCALE 1:20



SECTION B
SCALE 1:250



PLAN
SCALE 1:500



LOCATION PLAN
SCALE 1 : 10000

- Notes:
1. All dimensions are in millimetres unless noted otherwise.
 2. All levels are in metres Above Ordnance Datum.
 3. All chainages are in metres.
 4. All exposed arrises to have 25x25 chamfers unless noted otherwise.
 5. All details shown on this drawing are indicative only and subject to development.

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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 :
CONSTRUCTION <ul style="list-style-type: none">- Service survey required before commencing Works.- Temporary works to be provided to ensure full support during beam installation and in temporary situations.- Potential presence of ground gas to be considered during excavation.- Potential presence of soil/groundwater contamination to be considered during excavation.- Potential presence of ground gas to be considered during piling.
MAINTENANCE / CLEANING <ul style="list-style-type: none">- Service survey required before commencing Works.
DECOMMISSIONING / DEMOLITION <ul style="list-style-type: none">- Service survey required before commencing Works.
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

P01	28/05/25	DMRB STAGE 3 REPORT - FINAL	NC	SH	MAM	MP
Rev	Rev. Date	Purpose of revision	Drawn	Chk'd	Rev'd	Apr'd

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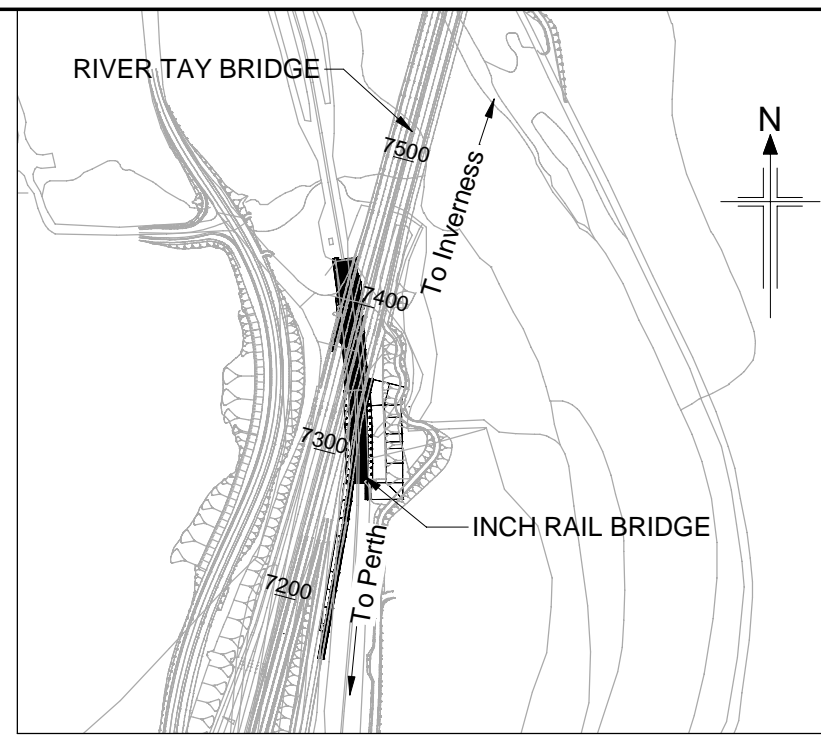
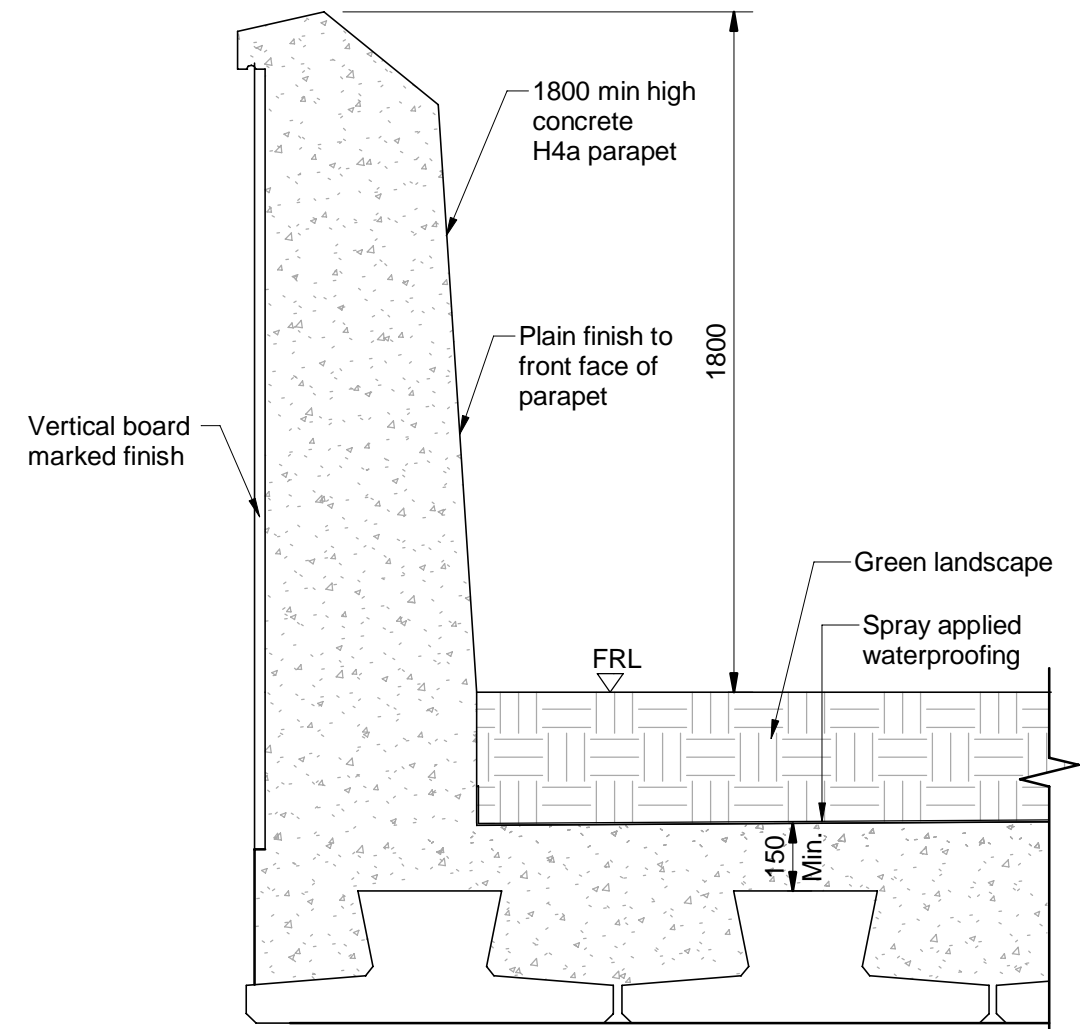
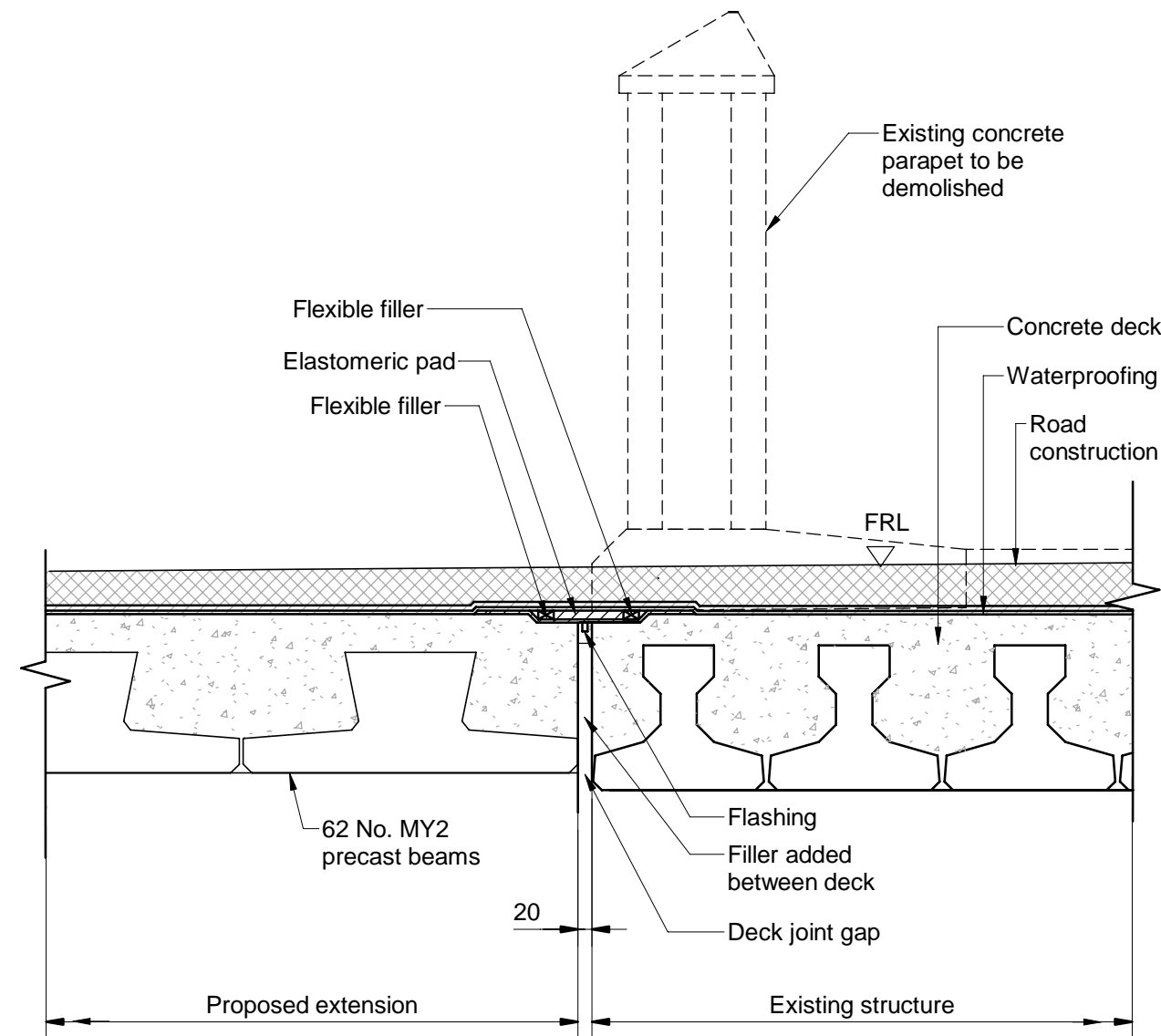
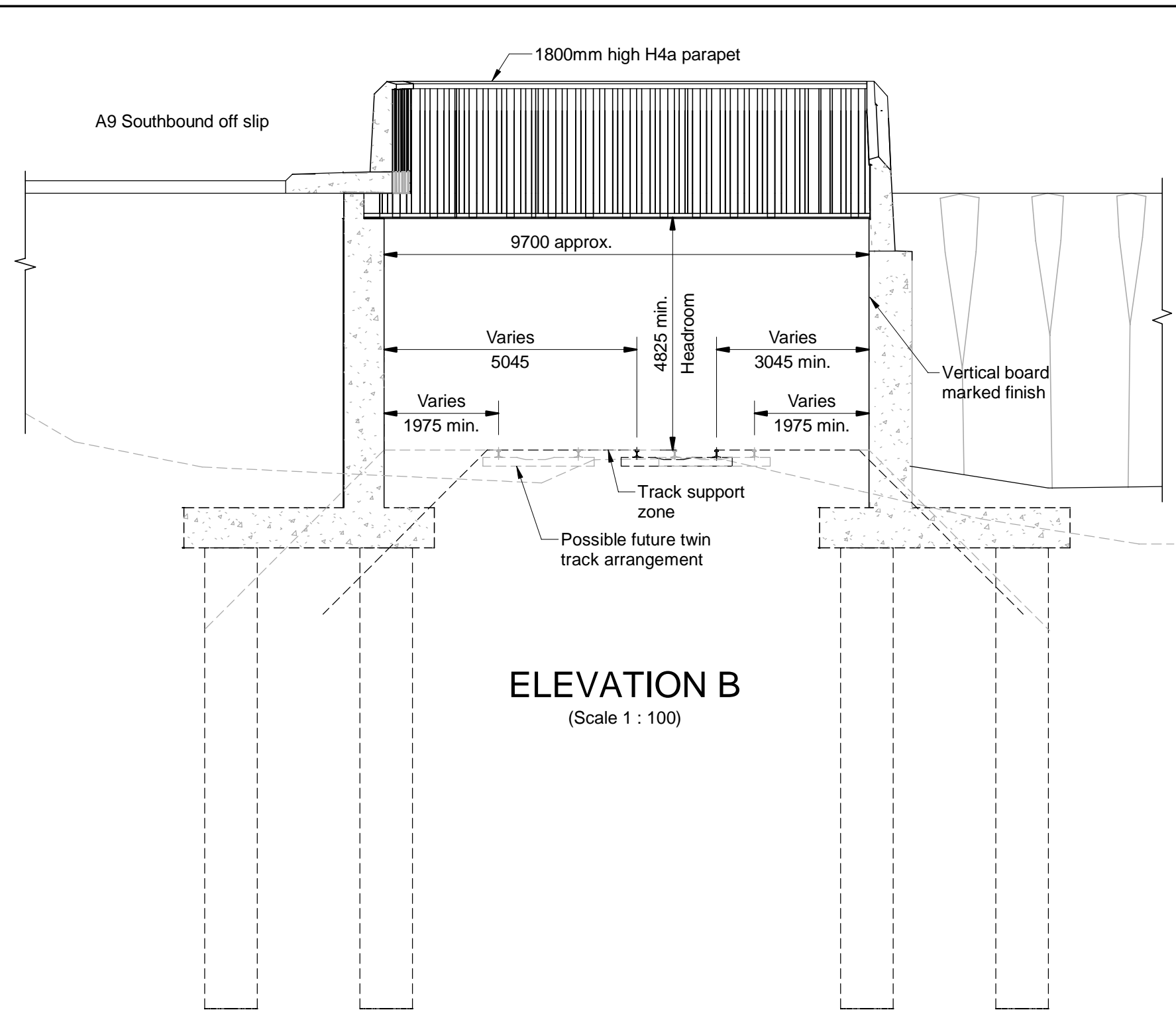


Drawing title

**PASS OF BIRNAM TO TAY CROSSING
DALGUISE JUNCTION BRIDGE
GENERAL ARRANGEMENT**

Drawing Status	S4 - ISSUED FOR STAGE APPROVAL		
Design Stage	DMRB STAGE 3		
Drawing Date	28/05/25		
Scale	As indicated @ A1	DO NOT SCALE	
Jacobs Project No.	B2140002		
Drawing Number	A9P02-JAC-SBR-D_ML070_ST-DR-ST-0001		Rev
P01			

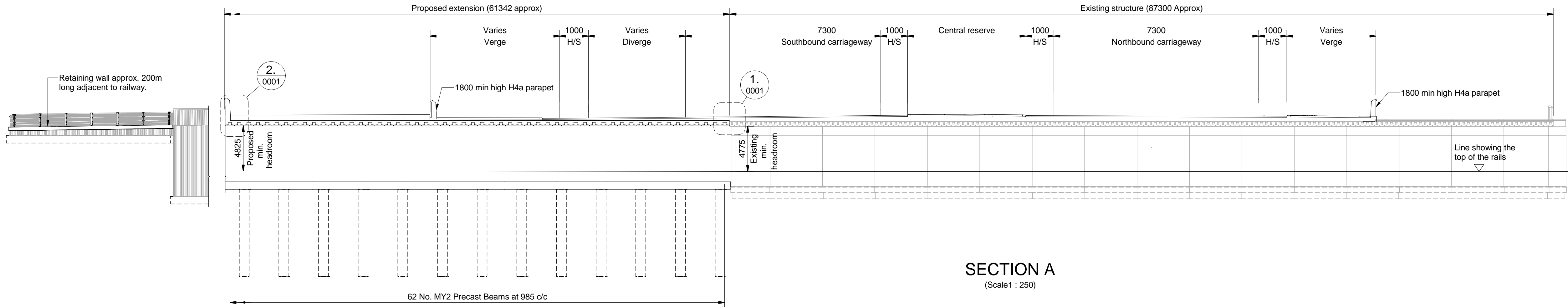
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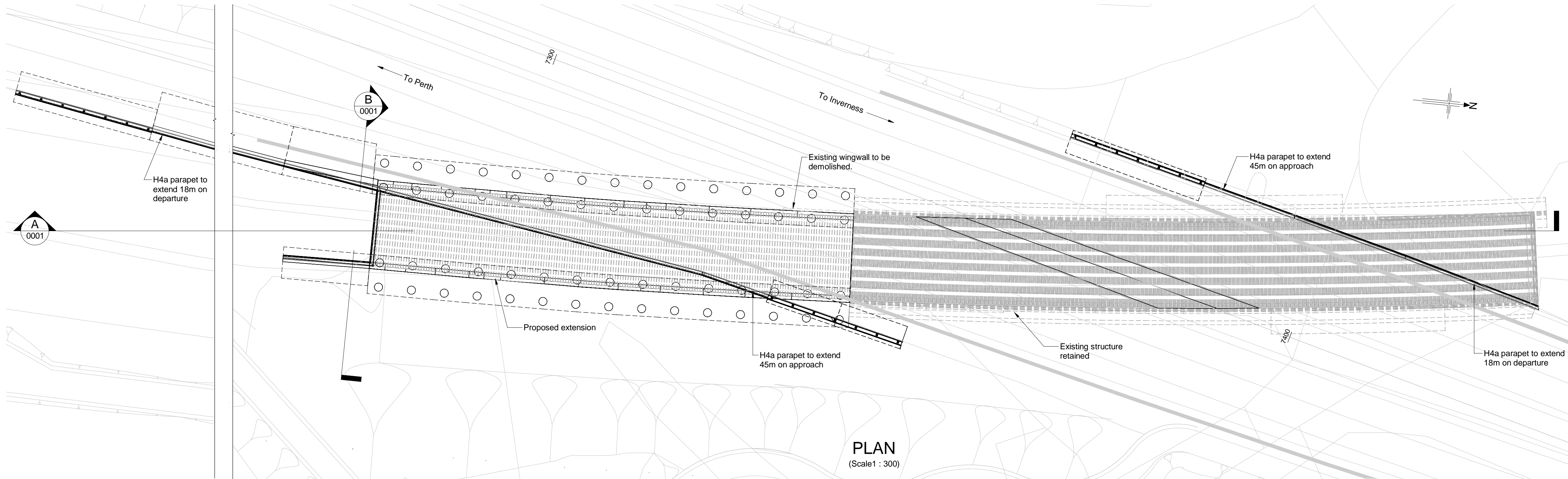
LOCATION PLAN
(Scale 1 : 5000)

DETAIL 1
(Scale 1 : 20)

DETAIL 2
(Scale 1 : 20)



SECTION A
(Scale 1 : 250)



PLAN
(Scale 1 : 300)

NOTES:

1. All dimensions are in millimetres unless noted otherwise.
2. All levels are in metres Above Ordnance Datum.
3. All chainages are in metres.
4. All exposed arrises to have 25x25 chamfers unless noted otherwise.
5. All details shown on this drawing are indicative only and subject to development.

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
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MAINTENANCE / CLEANING <ul style="list-style-type: none">- Service survey required before commencing Works.	
DECOMMISSIONING / DEMOLITION <ul style="list-style-type: none">- Potential presence in existing structure of harmful substances (including asbestos) that can cause damage to health.- Existing structure may not be accurately represented by record drawings.- Service survey required before commencing Works.	
It is assumed that all works will be carried out by a competent Contractor working, where appropriate, to an approved method statement	

P01	11/04/25	DMRB STAGE 3 REPORT - FINAL	PS	SH	MAM	MP
Rev	Rev. Date	Purpose of revision	Drawn	Chk'd	Rev'd	Apr'd

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Client



Project

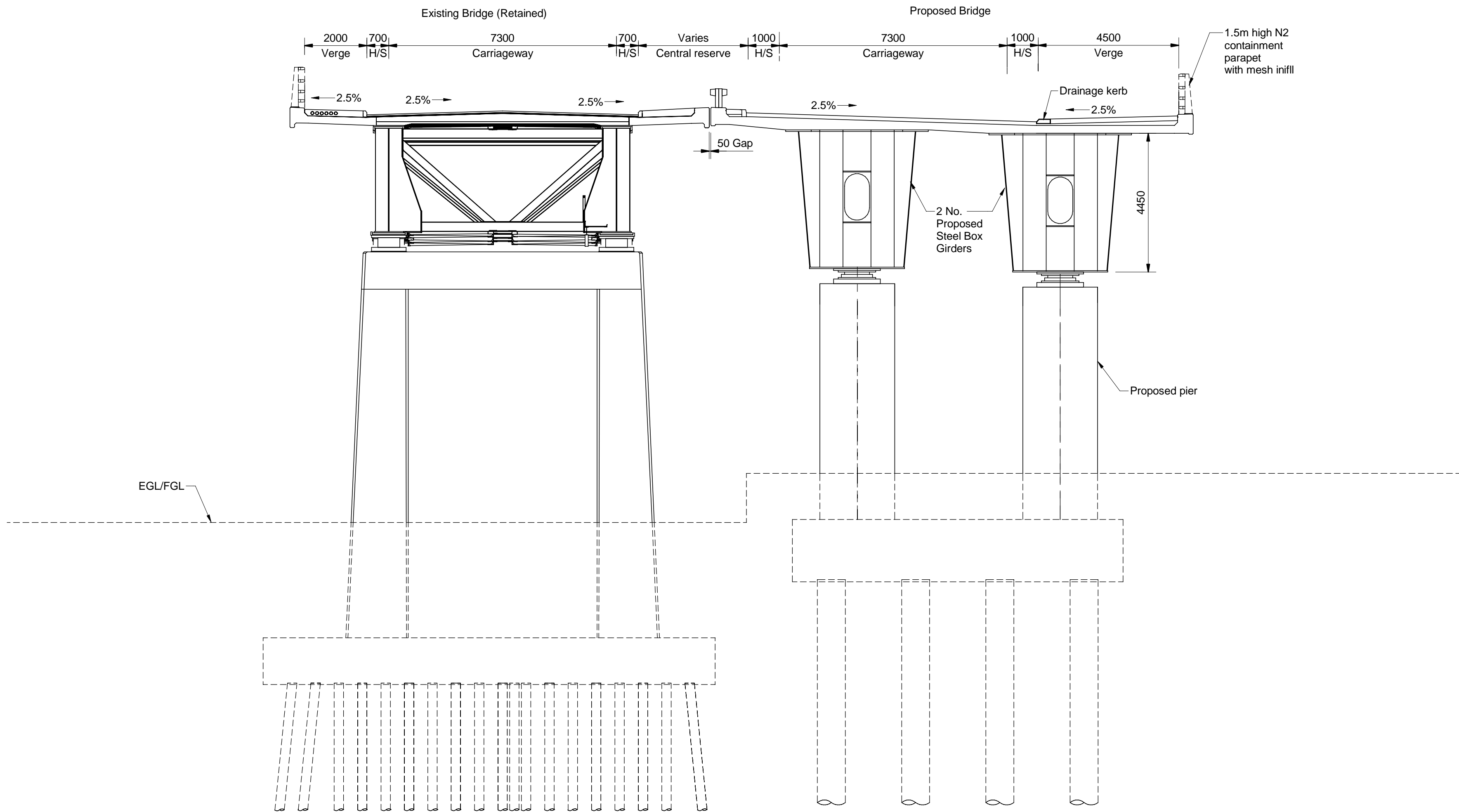


Drawing title

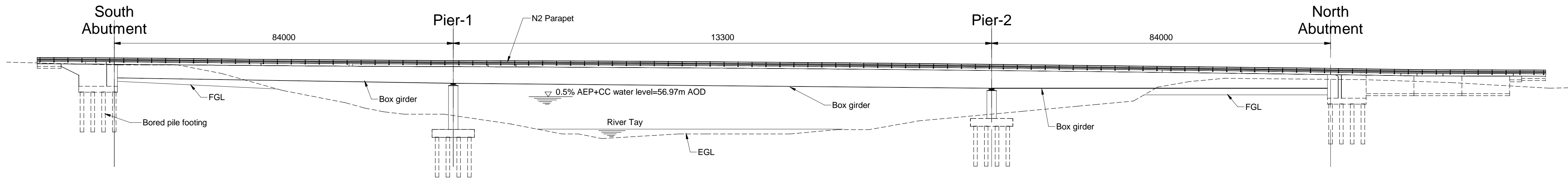
PASS OF BIRNAM TO TAY CROSSING
DMRB STAGE 3
INCH RAIL BRIDGE
GENERAL ARRANGEMENT

Drawing Status	S4 - ISSUED FOR STAGE APPROVAL		
Design Stage	DMRB STAGE 3		
Drawing Date	11/04/25		
Scale	As indicated @ A1	DO NOT SCALE	
Jacobs Project No.	B2140002		
Drawing Number	A9P02-JAC-SBR-D_ML073_ST-DR-ST-0001		Rev P01

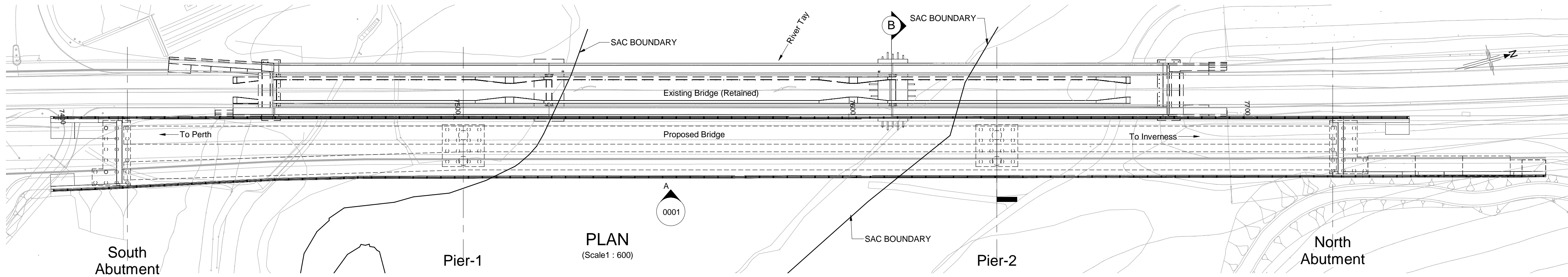
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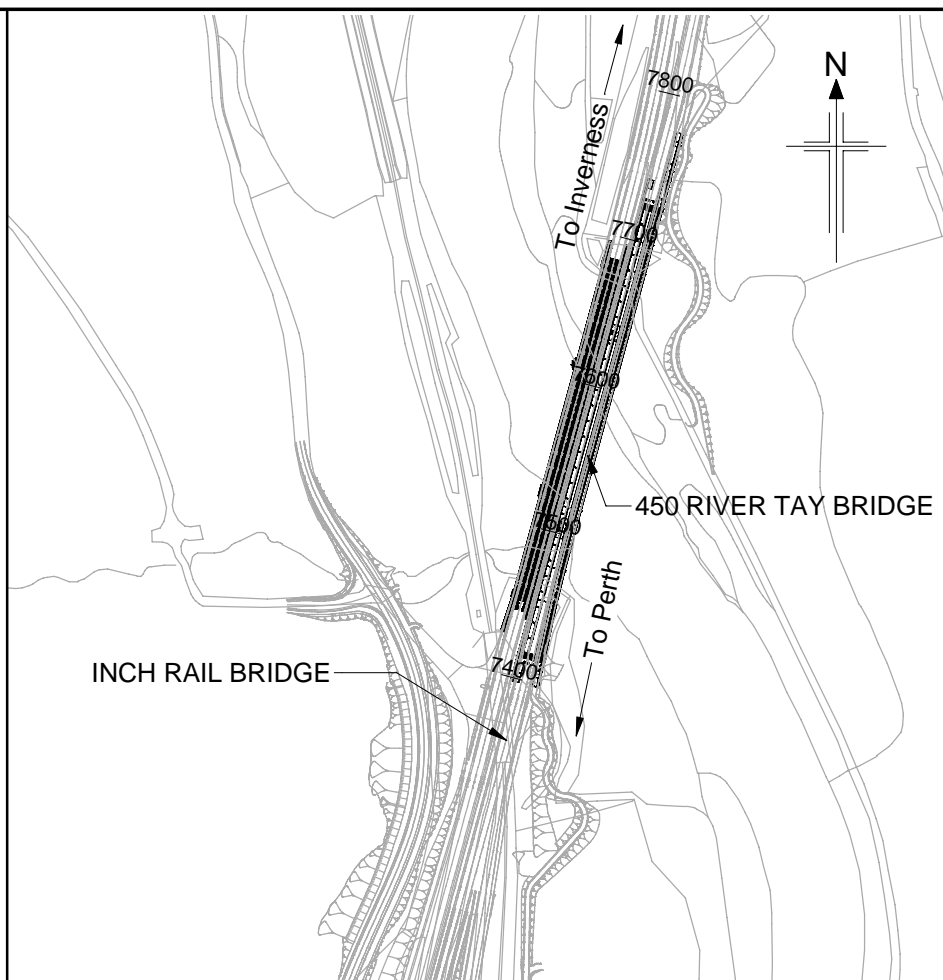
SECTION B
(Scale 1 : 100)



ELEVATION A
(Scale 1 : 600)



PLAN
(Scale 1 : 600)



LOCATION PLAN
(Scale 1 : 5000)

- NOTES:**
1. All dimensions are in millimetres unless noted otherwise.
 2. All levels are in metres Above Ordnance Datum.
 3. All chainages are in metres.
 4. All exposed arrises to have 25x25 chamfers unless noted otherwise.
 5. All details shown on this drawing are indicative only and subject to development.

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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 :
CONSTRUCTION <ul style="list-style-type: none">- Potential presence in existing structure of harmful substances (including asbestos) that can cause damage to health.- Existing structure may not be accurately represented by record drawings.- Position of the existing structure may not be as shown.- Condition of existing structure may not be as anticipated.- Nature and position of the existing structure foundations to be verified by investigation before construction.- Stability of the existing structure in temporary situations to be verified.- Structure stability to be checked during modification of the existing structure.- Service survey required before commencing Works.- Temporary works to be provided to ensure full support during beam installation and in temporary situations.- Potential presence of ground gas to be considered during excavation.- Potential presence of soil/groundwater contamination to be considered during excavation.- Potential presence of ground gas to be considered during piling.
MAINTENANCE / CLEANING <ul style="list-style-type: none">- Service survey required before commencing Works.
DECOMMISSIONING / DEMOLITION <ul style="list-style-type: none">- Potential presence in existing structure of harmful substances (including asbestos) that can cause damage to health.- Existing structure may not be accurately represented by record drawings.- Service survey required before commencing Works.
It is assumed that all works will be carried out by a competent Contractor working, where appropriate, to an approved method statement

P01	29/05/25	DMRB STAGE 3 REPORT - FINAL	PS	SH	MAM	MP
Rev	Rev. Date	Purpose of revision	Drawn	Chk'd	Rev'd	Apr'd

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Client



Project



Drawing title

PASS OF BIRNAM TO TAY CROSSING RIVER TAY BRIDGE GENERAL ARRANGEMENT

Drawing Status	S4 - ISSUED FOR STAGE APPROVAL		
Design Stage	DMRB STAGE 3		
Drawing Date	29/05/25		
Scale	As indicated @ A1	DO NOT SCALE	
Jacobs Project No.	B2140002		
Drawing Number	A9P02-JAC-SBR-D_ML075_ST-DR-ST-0001		Rev
			P01

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