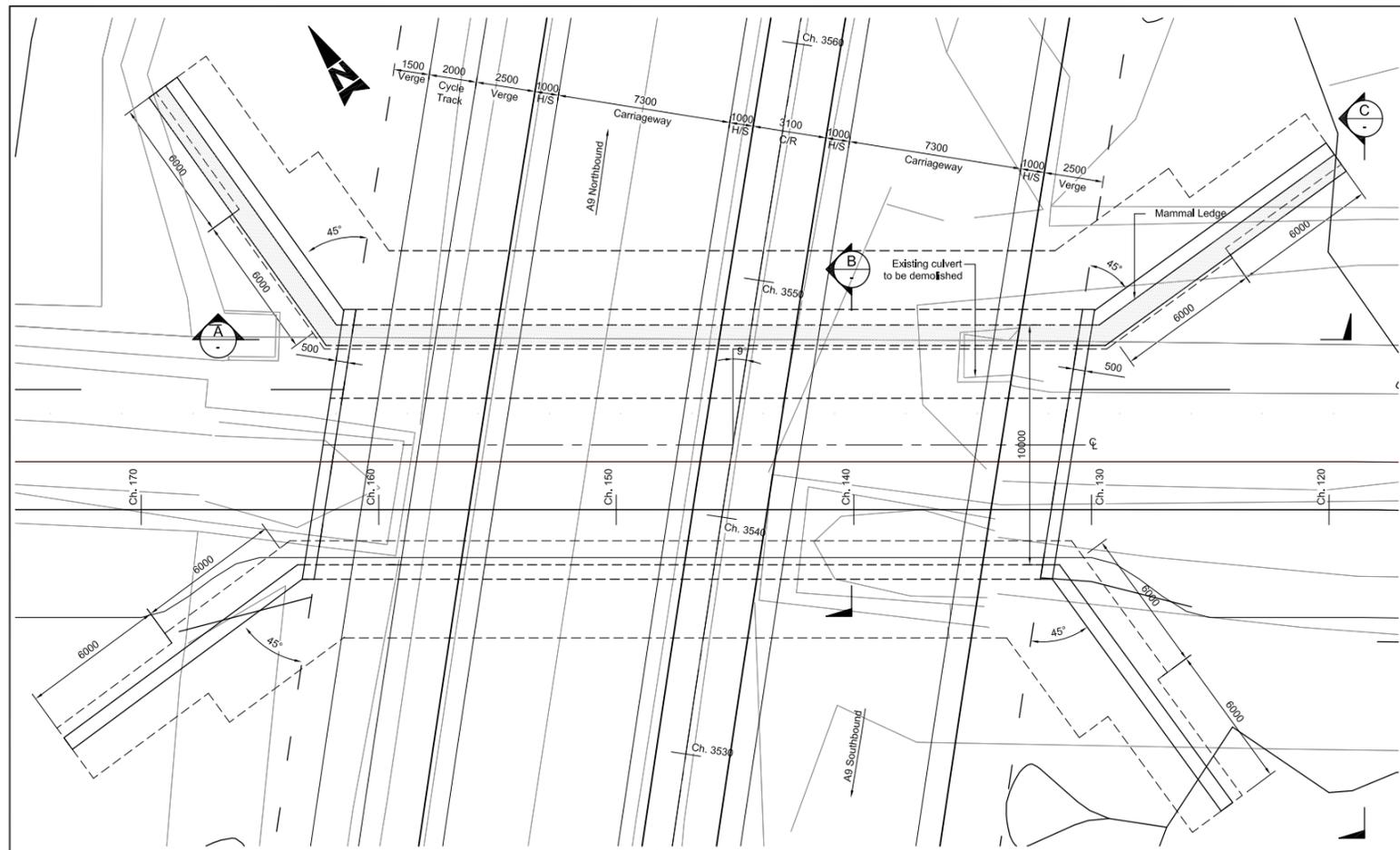


17. Appendix A General Arrangement Drawings

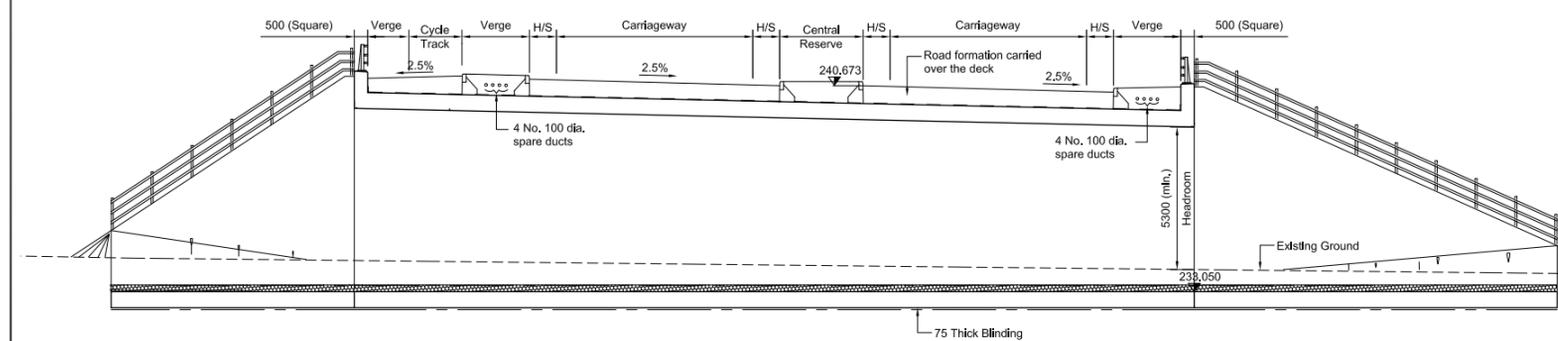


DO NOT SCALE

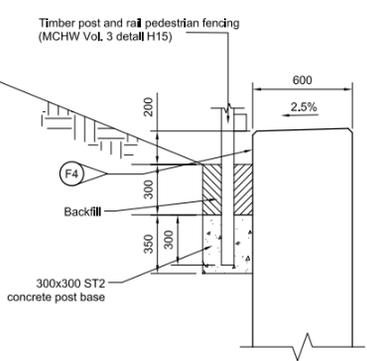
A1
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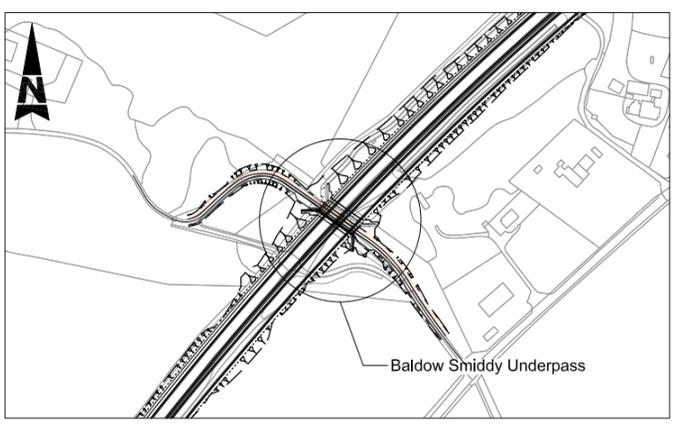
PLAN
Scale 1:125



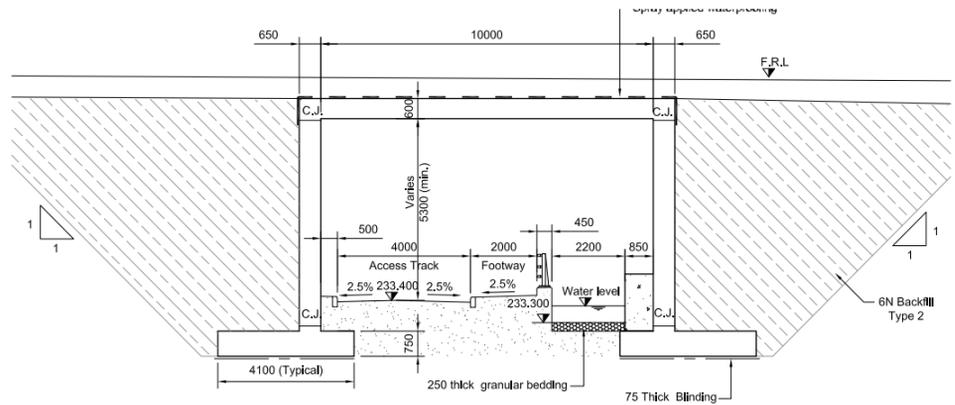
A SECTION
Scale 1:125



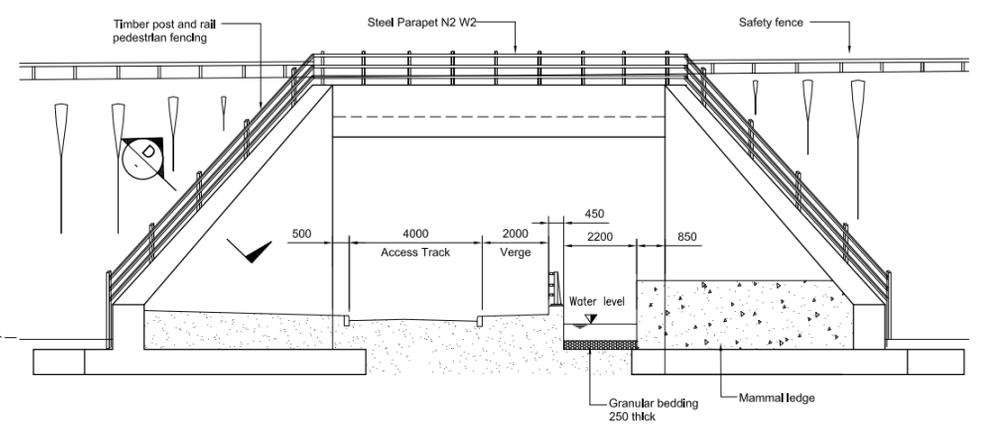
D SECTION
Scale 1:20



LOCATION PLAN
Scale 1:2500



B SECTION
Scale 1:100



C ELEVATION
Scale 1:100

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NOTES:

- All dimensions are in millimetres and levels in mAOD unless stated otherwise.
- All chainages are in metres unless stated otherwise.
- The structural dimensions shown on the drawing are indicative only and shall be developed at detailed design stage.
- Materials
 - Binding concrete - Mx ST1 Footway/verge in concrete - Class C28/35AF
 - Foundations below ground - Class C32/40 Structure above ground level - Class C40/50
 - All reinforcement shall be Grade B500B or B500C steel conforming to BS4449:2005.
- Finishes
 - Hidden surfaces - F1, U1 Exposed surfaces - F4, U3 Areas to receive waterproofing - U4
- Backfill - Class 6N Type 2 behind substructure - angle of repose, $\phi \geq 35^\circ$
- All buried concrete surface shall be treated with two coats of bitumen paint.

Rev	Description	By	Date	Chk'd	Auth	Rev	Purpose of Issue
B	Updated to include Cycle Track	IR	10/13	JV	RG	B	For discussion
A	First Issue	EV	01/13	RKS	A	A	For information

Rev	Description	By	Date	Chk'd	Auth	Rev	Purpose of Issue
B	Updated to include Cycle Track	IR	10/13	JV	RG	B	For discussion
A	First Issue	EV	01/13	RKS	A	A	For information

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Project
A9 DUALING
PERTH TO INVERNESS
Kinraig to Dalraddy

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

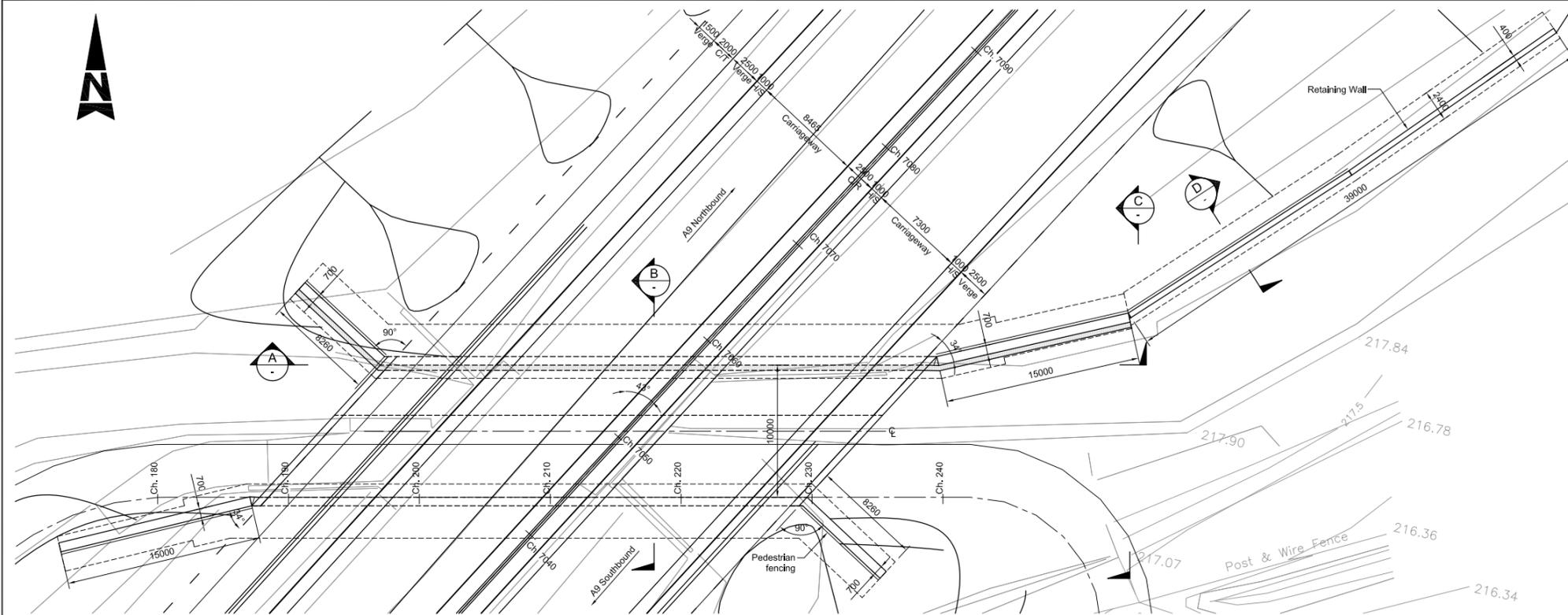
Construction	Maintenance/Cleaning	Decommissioning/Demolition
1. The existing culvert immediately north of Baldow Smiddy underpass requires demolition and replacement.	None	None
2. The new in-situ concrete box shall be constructed in stages to maintain traffic flow on the A9.	None	None
3. Service information to be confirmed.	None	None

Original Scale	Designed/Drawn	Checked	Authorised
As Shown	EV	RKS	RG
Date	31/01/13	Date	31/01/13

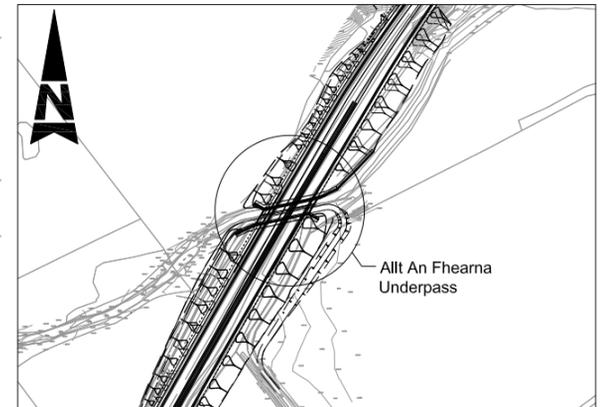
Status	Drawing Number	Rev
P	5109850/ATK/0717/SR/DR/S/101	B

DO NOT SCALE

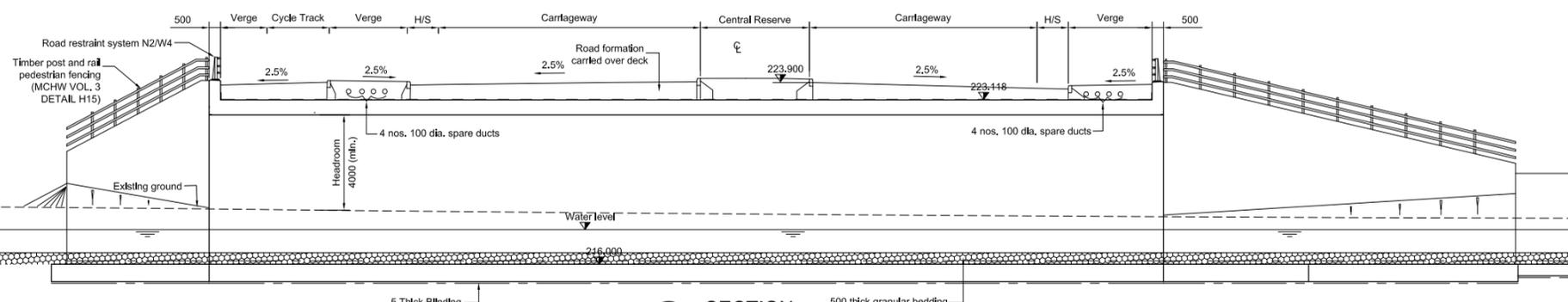
A1
 100
 0 10



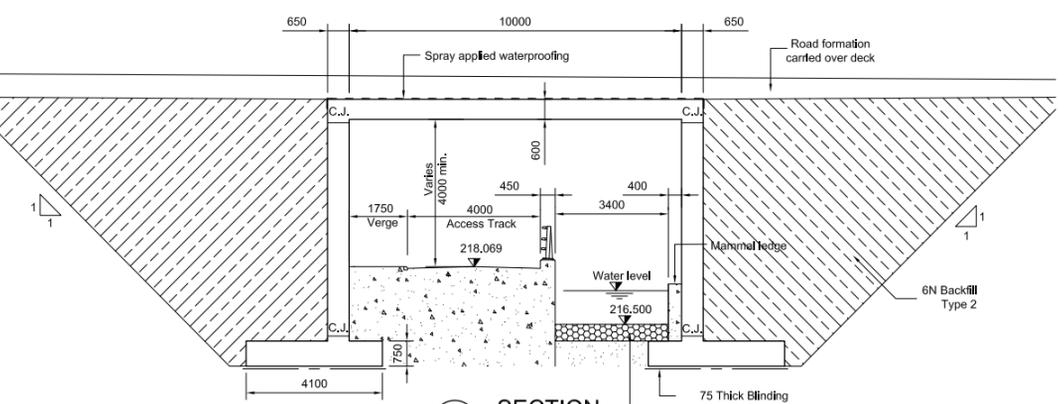
PLAN
 Scale 1:200



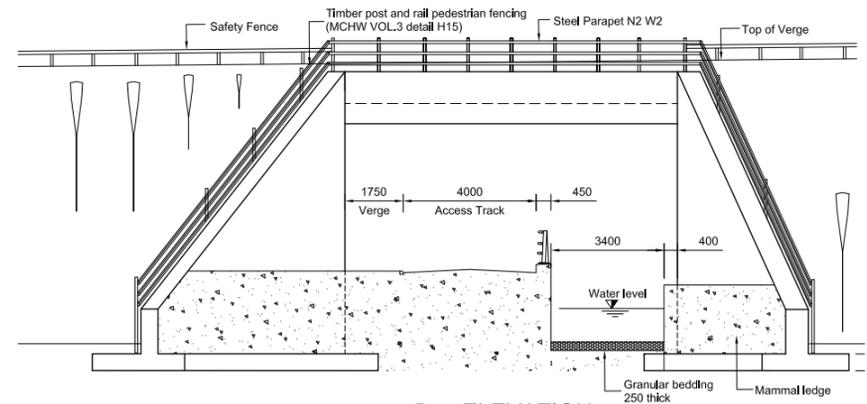
LOCATION PLAN
 Scale 1:2500



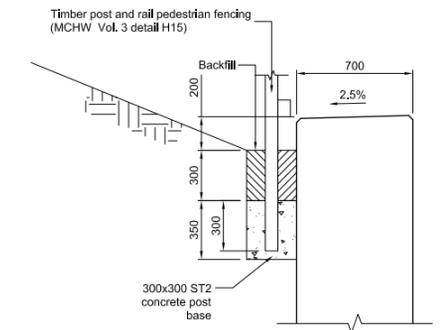
SECTION A
 Scale 1:125



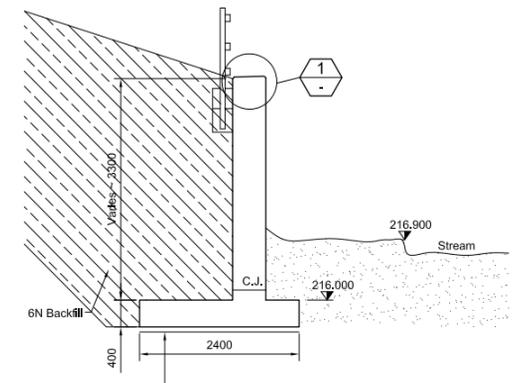
SECTION B
 Scale 1:100



SECTION C
 Scale 1:100



DETAIL 1
 Scale 1:20



SECTION D
 Scale 1:50

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- NOTES:
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 - All chainages are in metres unless stated otherwise.
 - The structural dimensions shown on the drawing are indicative only and shall be development at detailed design stage.
 - Materials
 - Blinding concrete - Mix ST1 Footway/verge infill concrete - Class C28/35AF
 - Foundations below ground - Class C32/40 Structure above ground level - Class C40/50
 - All reinforcement shall be Grade B500B or B500C steel conforming to BS4449:2005.
 - Finishes
 - Hidden surfaces - F1, U1 Exposed surfaces - F4, U3 Areas to receive waterproofing - U4
 - Backfill - Class 6N Type 2 fill behind substructure - angle of repose, $\phi \geq 35^\circ$
 - All buried concrete surface shall be treated with two coats of bitumen paint.

Rev	Description	By	Date	Chk'd	Auth	Rev	Purpose of Issue	Date	Auth
B	Updated to include Cycle Track	IR	10/13	JV	RG	B	For discussion	10/13	RG
A	First Issue	EV	02/13	DDR	A	A	For information	02/13	

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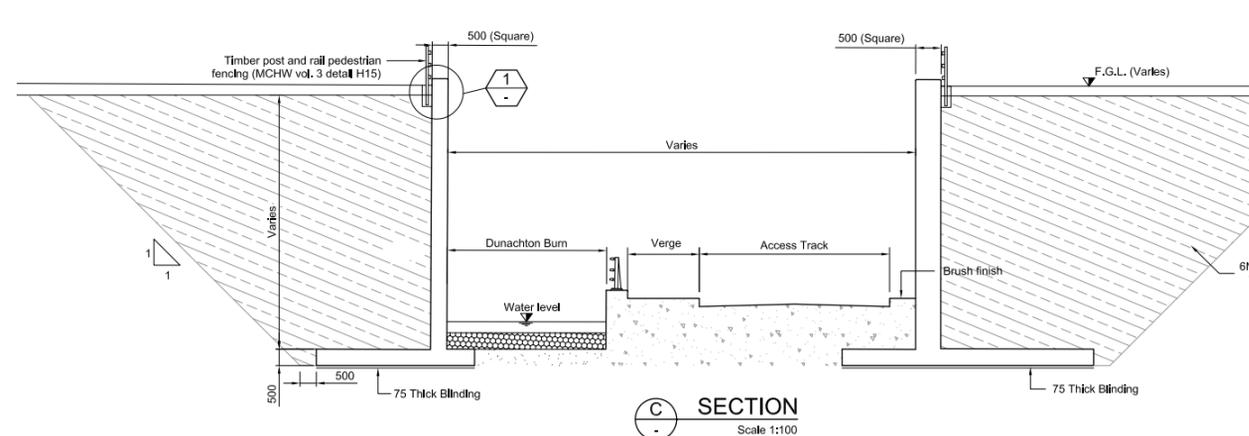
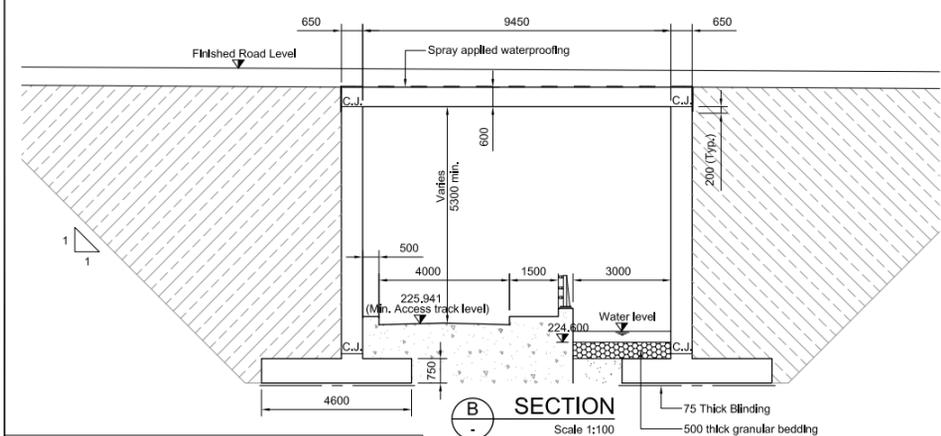
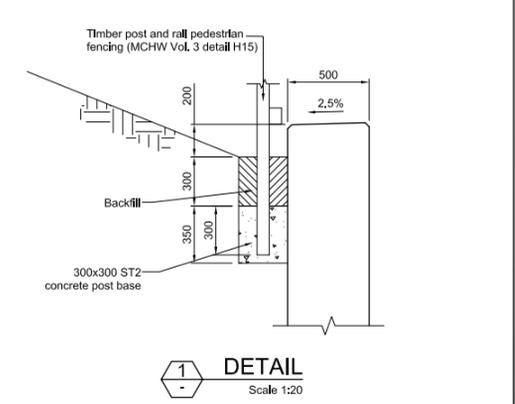
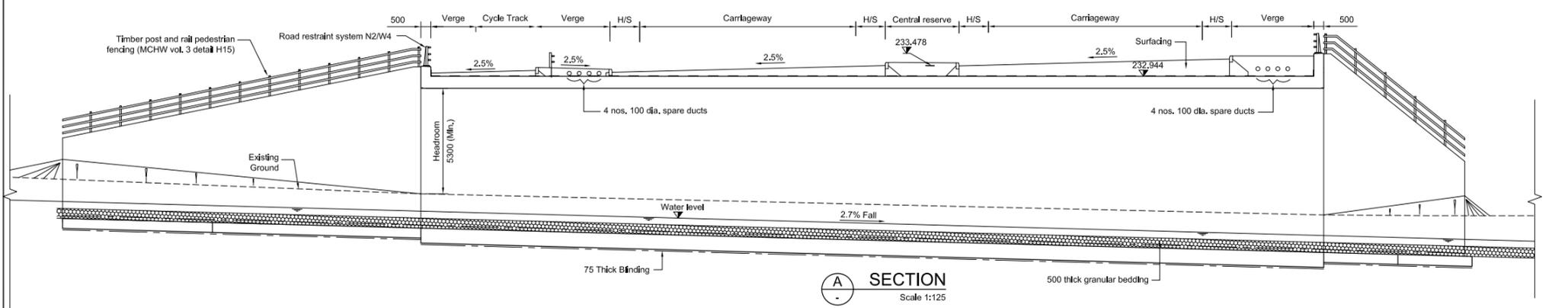
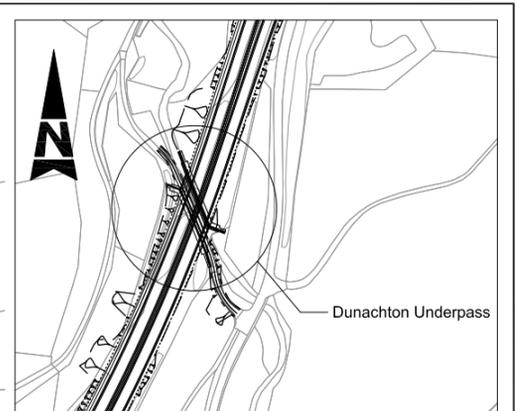
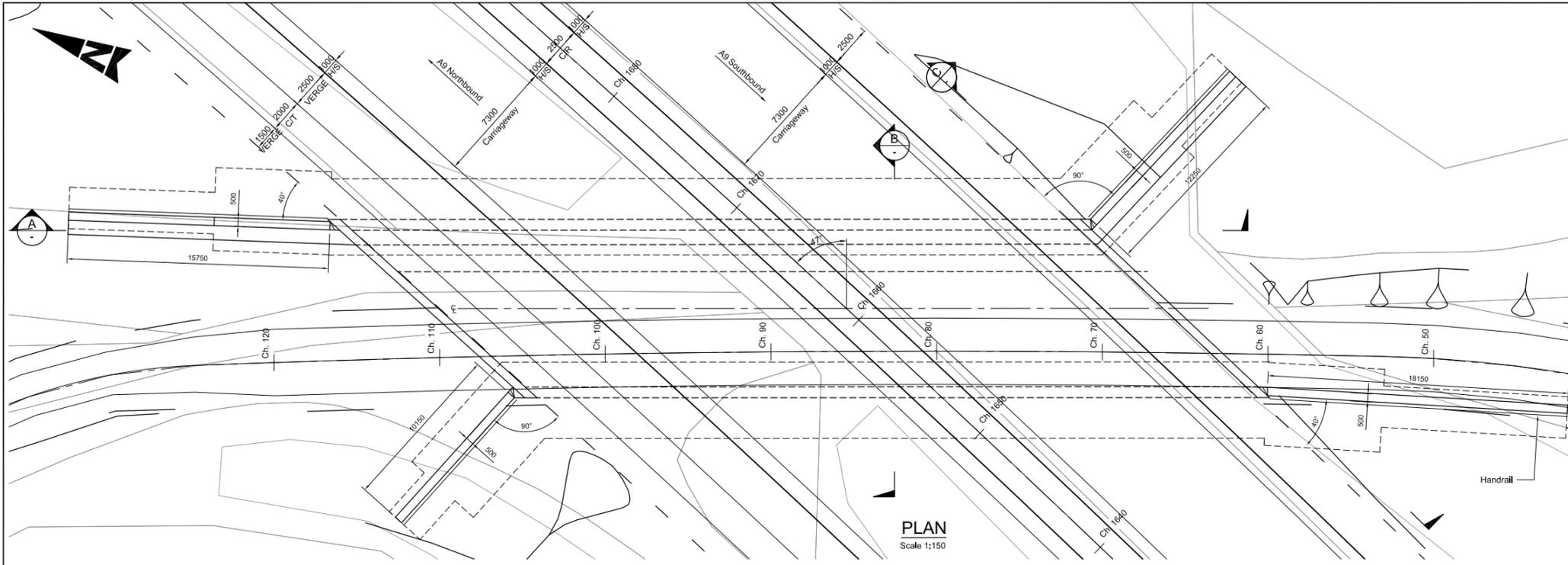
Project
A9 DUALING
 PERTH TO INVERNESS
 Kinraig to Dalraddy

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			
Construction	TBC		
Maintenance/Cleaning	TBC		
Use	TBC		
Decommissioning/Demolition	TBC		
Title ALLT AN FHEARNA GENERAL ARRANGEMENT			
Original Scale As Shown	Designed/Drawn EV	Checked DDR	Authorised RG
Status P	Drawing Number 5109850/ATK/0717/SR/DR/S/301	Date 11/02/13	Date 11/02/13
Rev B			

Rev B
 Drawing Number 5109850/ATK/0717/SR/DR/S/401
 Status P

DO NOT SCALE

A1
 100
 10
 0



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 - All channages are in metres unless stated otherwise.
 - The structural dimensions shown on the drawing are indicative only and shall be development at detailed design stage.
 - Materials
 - Blinding concrete - Mix ST1
 - Footpath/verge infill concrete - Class C28/35AF
 - Foundations below ground - Class C32/40
 - Structure above ground level - Class C40/50
 - All reinforcement shall be Grade B500B or B500C steel conforming to BS4449:2005.
 - Finishes
 - Hidden surfaces - F1, U1
 - Exposed surfaces - F4, U3
 - Areas to receive waterproofing - U4
 - Backfill - Class 6N Type 2 fill behind substructure - angle of repose, $\phi \geq 35^\circ$
 - All buried concrete surface shall be treated with two coats of bitumen paint.

Rev	Description	By	Date	Chk'd	Auth	Purpose of Issue	Date	Auth
B	Updated to include Cycle Track	IR	10/13	JV	RG	B	For Information	10/13
A	First Issue	EV	02/13	RKS	A	A	For Information	02/13

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 PERTH TO INVERNESS
 Kintraig se Dairraday

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:

Construction	Maintenance/Cleaning	Use	Decommissioning/Demolition
TBC	TBC	TBC	TBC

Title
**DUNACHTON UNDERPASS
 GENERAL ARRANGEMENT**

Original Scale	Designed/Drawn	Checked	Authorised
As Shown	EV	RKS	RG
Status	Drawing Number	Date	Rev
P	5109850/ATK/0717/SR/DR/S/401	07/02/13	B

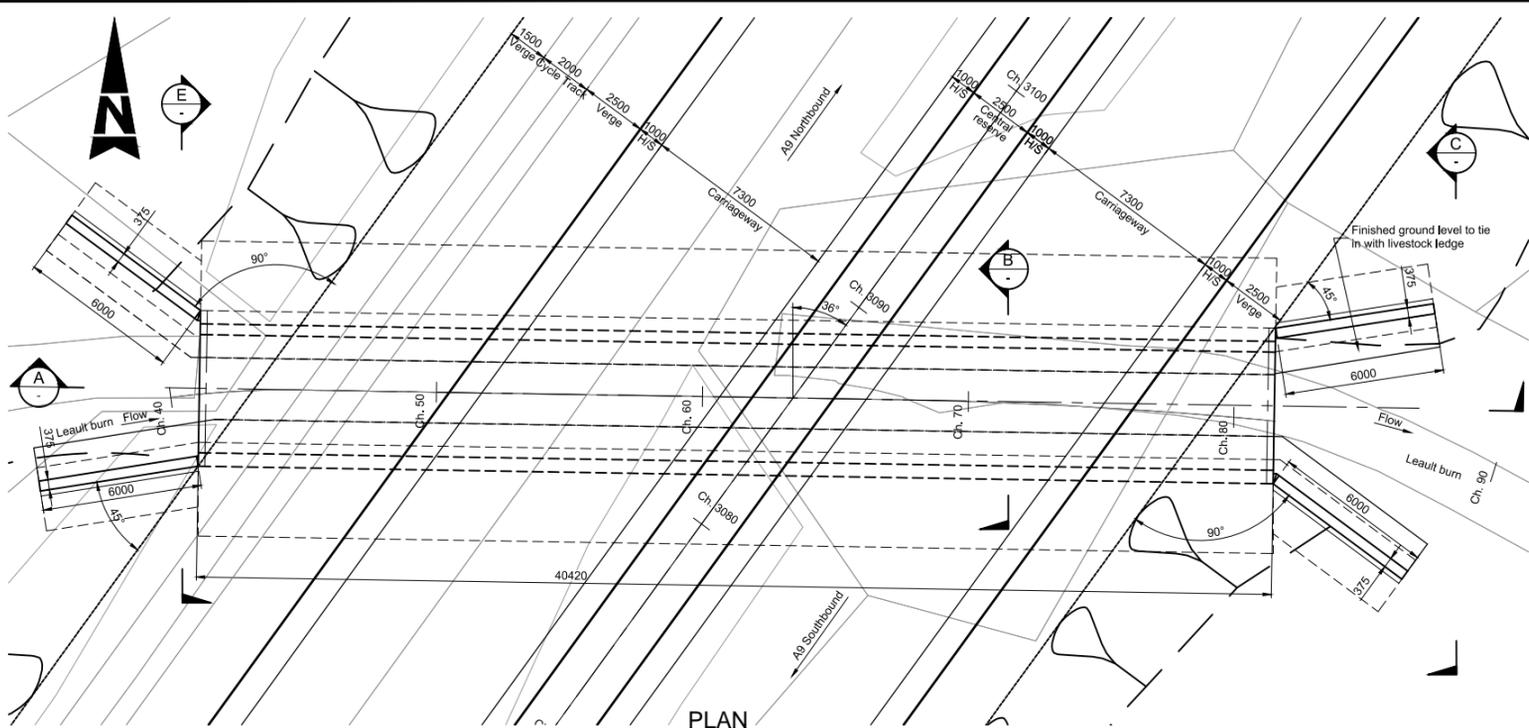
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 Date: Oct 24, 2013 - 4:32pm
 Plotted by: vern504

Rev B
Drawing Number 5109850/ATK/0717/SR/DR/S/501
Status P

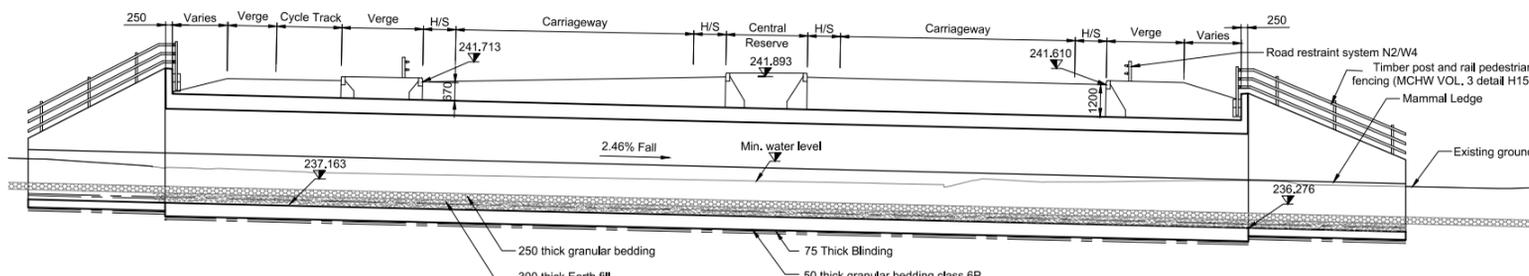
DO NOT SCALE

A1
0 10 100

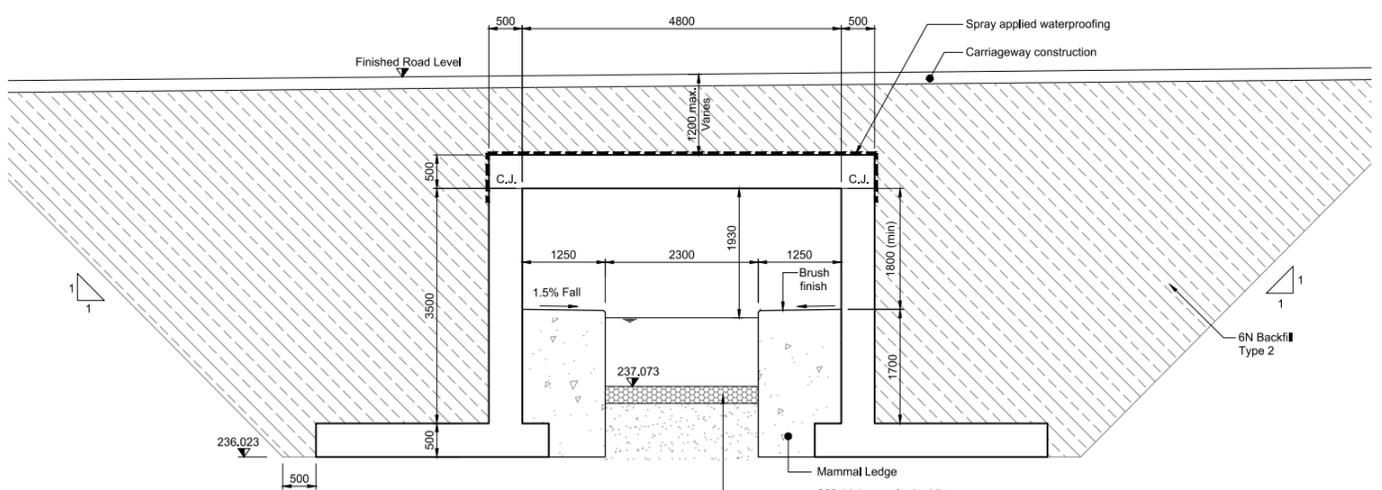
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Date: Oct 21, 2013 - 9:18am
Printed by: comp1706



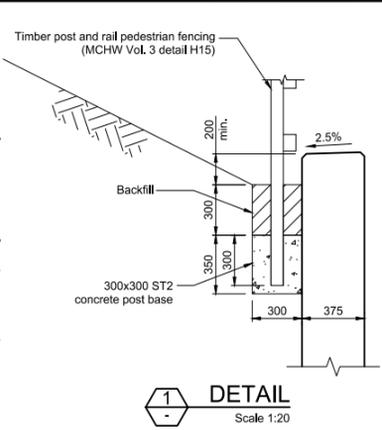
PLAN
Scale: 1:125



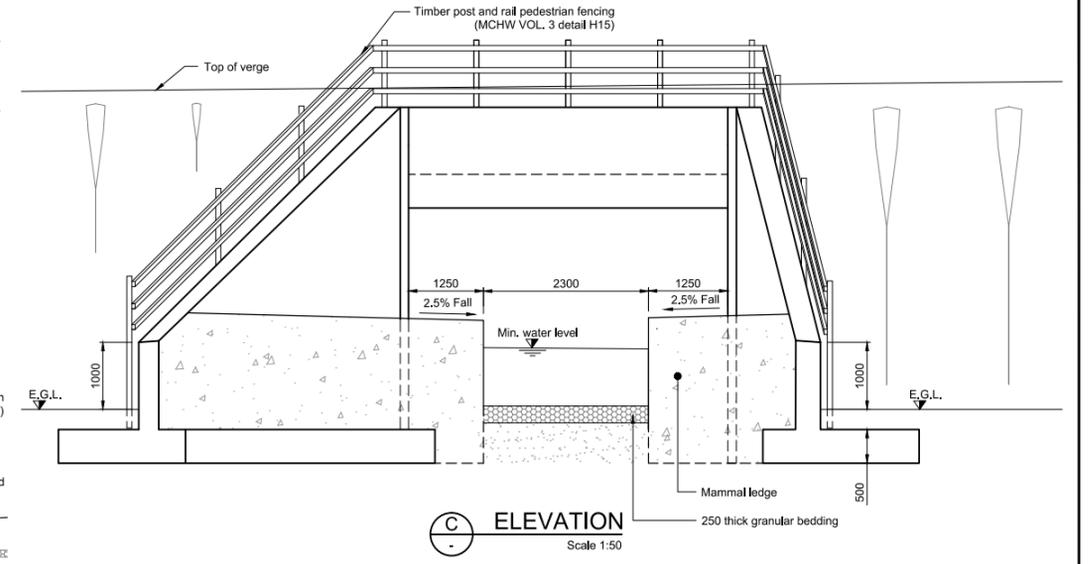
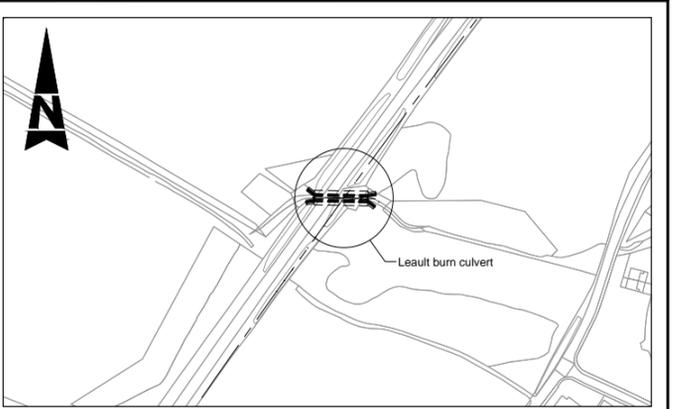
A SECTION
Scale 1:125



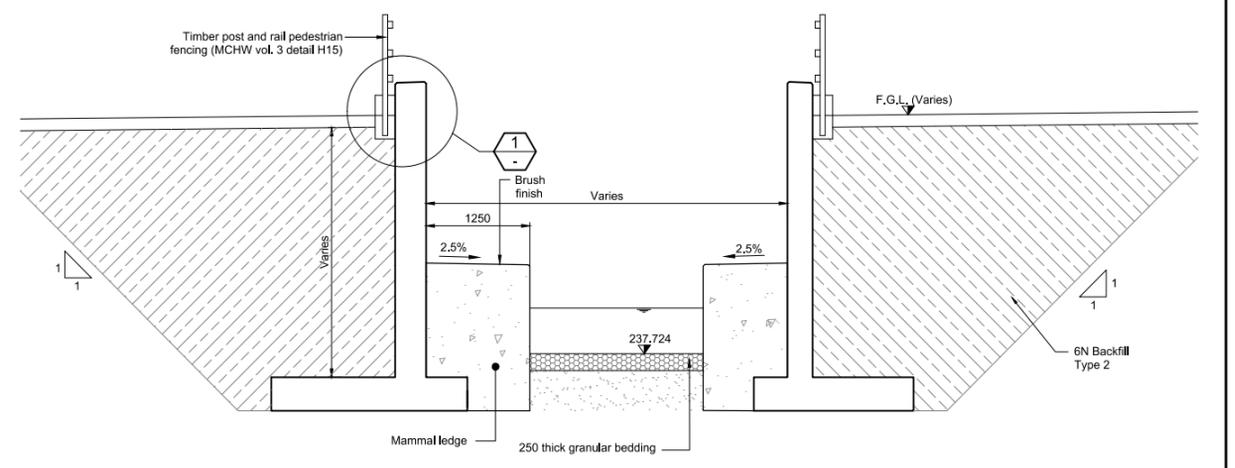
B SECTION
Scale 1:50
(FGL corresponding to the C of structure)



DETAIL 1
Scale 1:20



C ELEVATION
Scale 1:50



E SECTION
Scale 1:50
(FGL corresponding to the C of structure)

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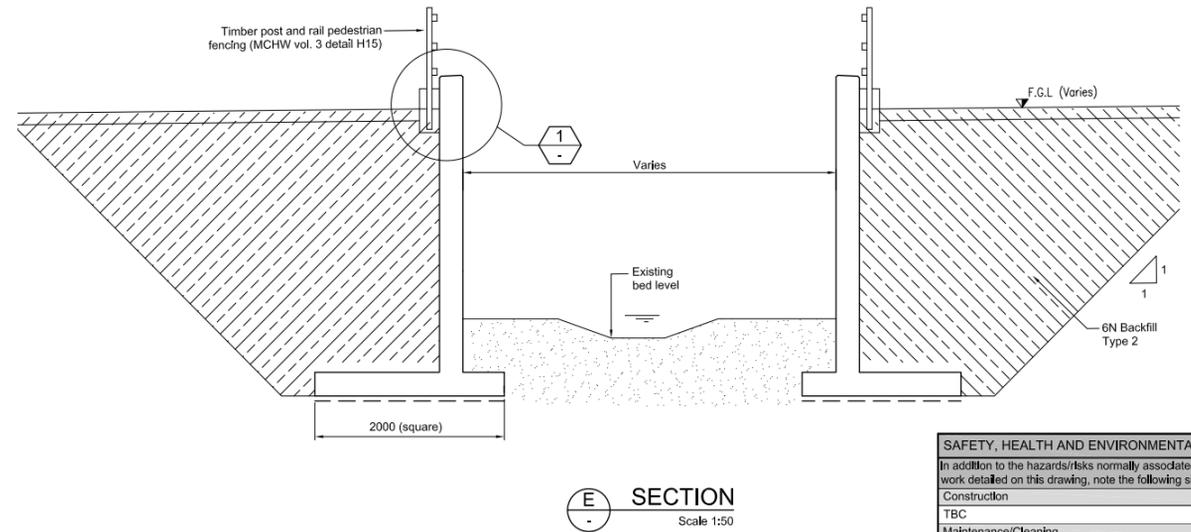
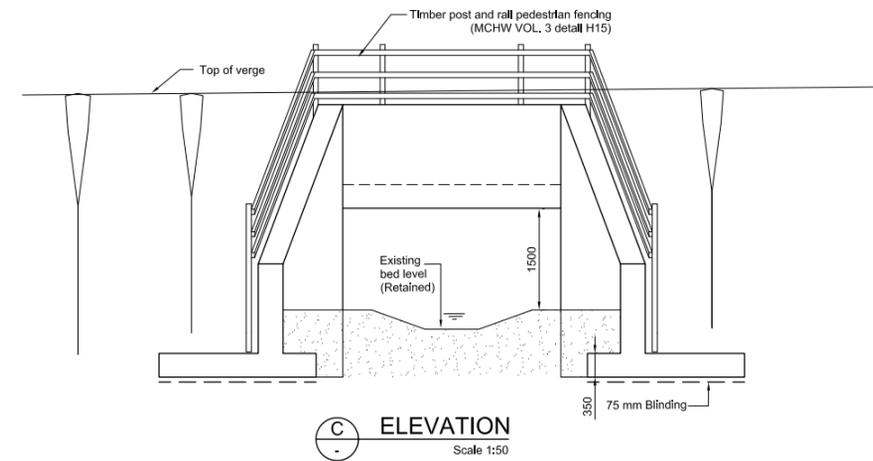
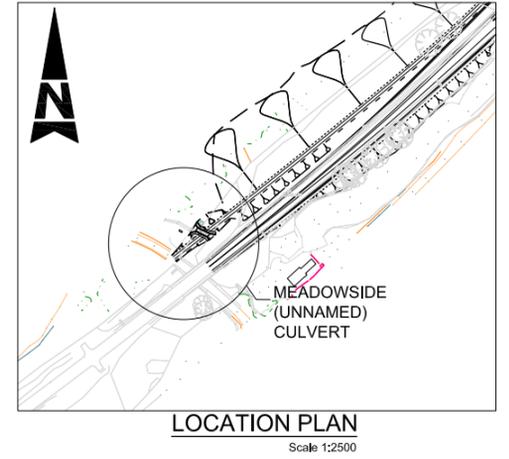
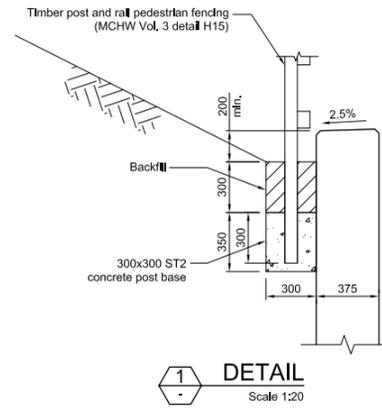
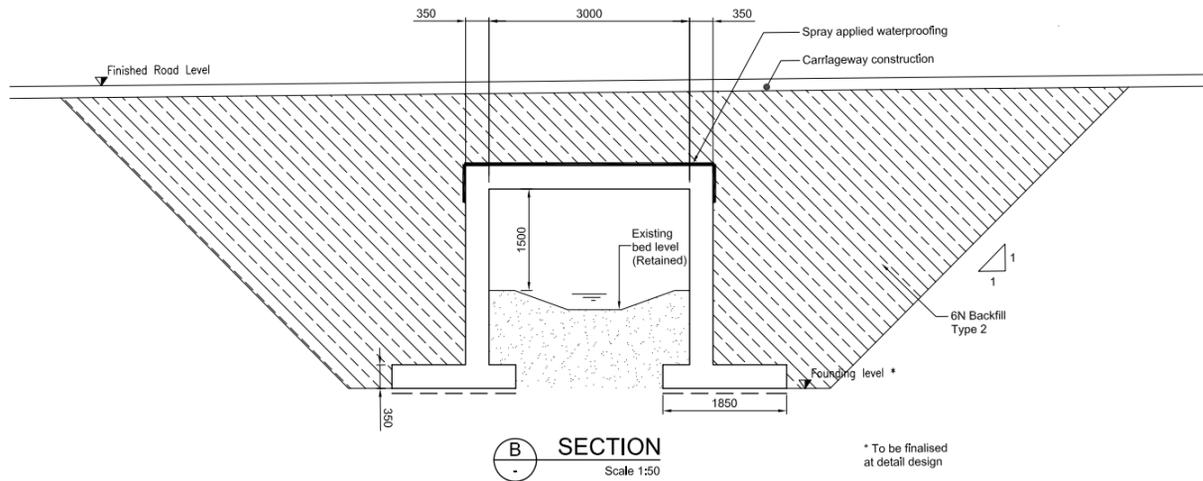
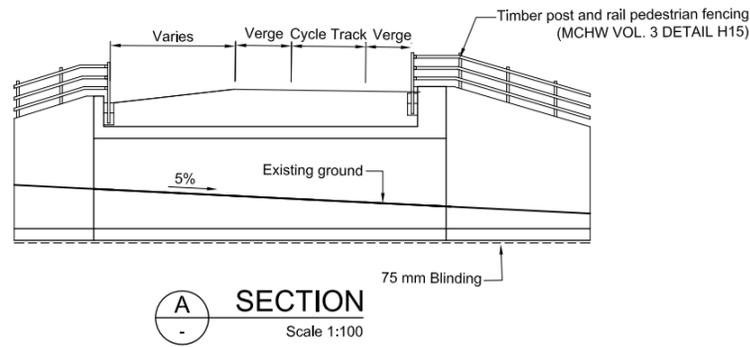
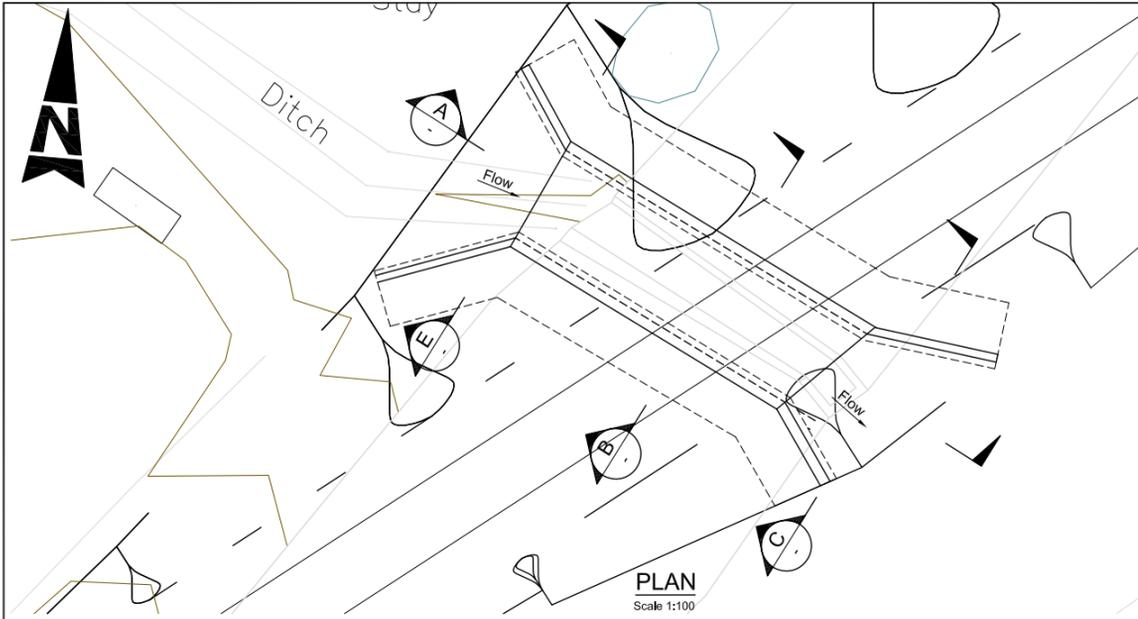
- NOTES:
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 - Foundations below ground - Class C32/40 Structure above ground level - Class C40/50
 - All reinforcement shall be Grade B500B or B500C steel conforming to BS4449:2005.
 - Finishes
 - Hidden surfaces - F1, U1 Exposed surfaces - F4, U3 Areas to receive waterproofing - U4
 - Backfill - Class 6N Type 2 fill behind substructure - angle of repose, $\phi \geq 35^\circ$
 - All buried concrete surface shall be treated with two coats of bitumen paint.

Rev	Description	By	Date	Chk'd	Auth	Rev	Purpose of Issue	Date	Auth
B	DESIGN UPDATED TO INCLUDE CYCLE TRACK	IR	10/13	JV	RG	B	FOR INFORMATION	10/13	RG
A	FIRST ISSUE	EV	03/13	RKS	A	A	FOR INFORMATION	03/13	RG

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PERTH TO INVERNESS
Kinross to Dalraddy

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			
Construction			
TBC			
Maintenance/Cleaning			
TBC			
Use			
TBC			
Decommissioning/Demolition			
TBC			
LEAULT BURN REPLACEMENT CULVERT GENERAL ARRANGEMENT			
Original Scale	Designed/Drawn	Checked	Authorised
As Shown	EV	RKS	
Status	Date	Date	Date
P	06/03/13	06/03/13	
Drawing Number	Rev		
5109850/ATK/0717/SR/DR/S/501	B		



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 - Footway/verge infill concrete - Class C28/35AF
 - Foundations below ground - Class C32/40
 - Structure above ground level - Class C40/50
 - All reinforcement shall be Grade B500B or B500C steel conforming to BS4449:2005.
 - Finishes
 - Hidden surfaces - F1, U1
 - Exposed surfaces - F4, U3
 - Areas to receive waterproofing - U4
 - Backfill - Class 6N Type 2 fill behind substructure - angle of repose, $\phi \geq 35^\circ$
 - All buried concrete surface shall be treated with two coats of bitumen paint.

Rev	Description	By	Date	Chk'd	Auth	Rev	Purpose of Issue	Date	Auth
A	First Issue	IR	10/13	JV	RG	A	For information	10/13	
Rev	Description	By	Date	Chk'd	Auth	Rev	Purpose of Issue	Date	Auth

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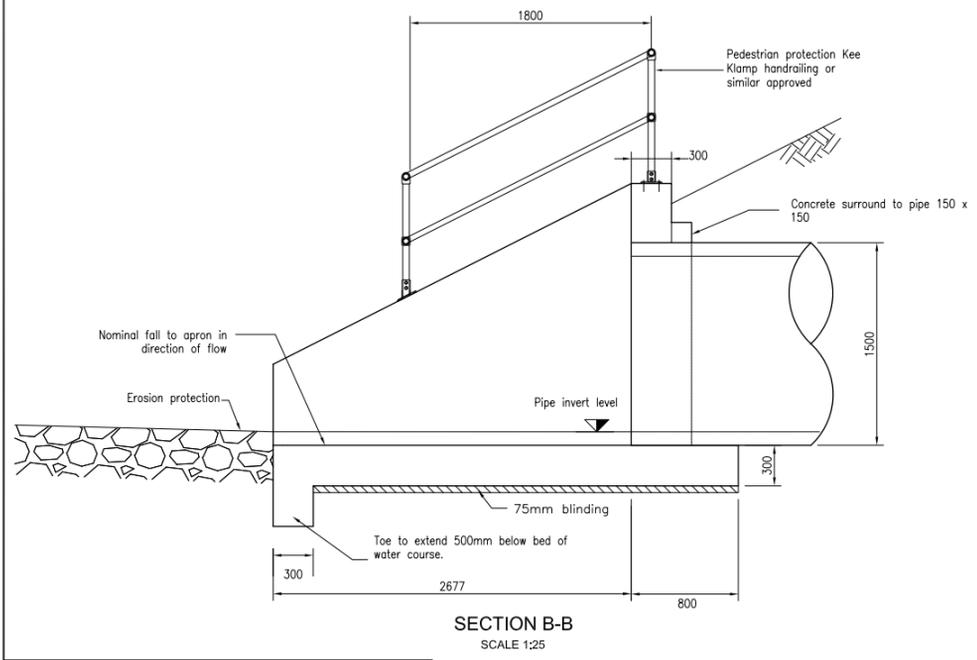
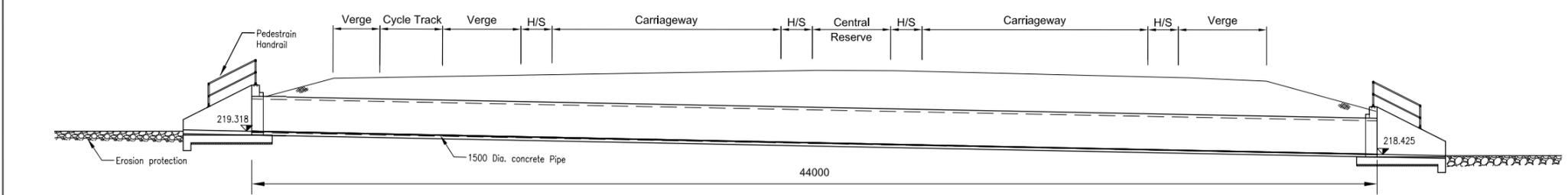
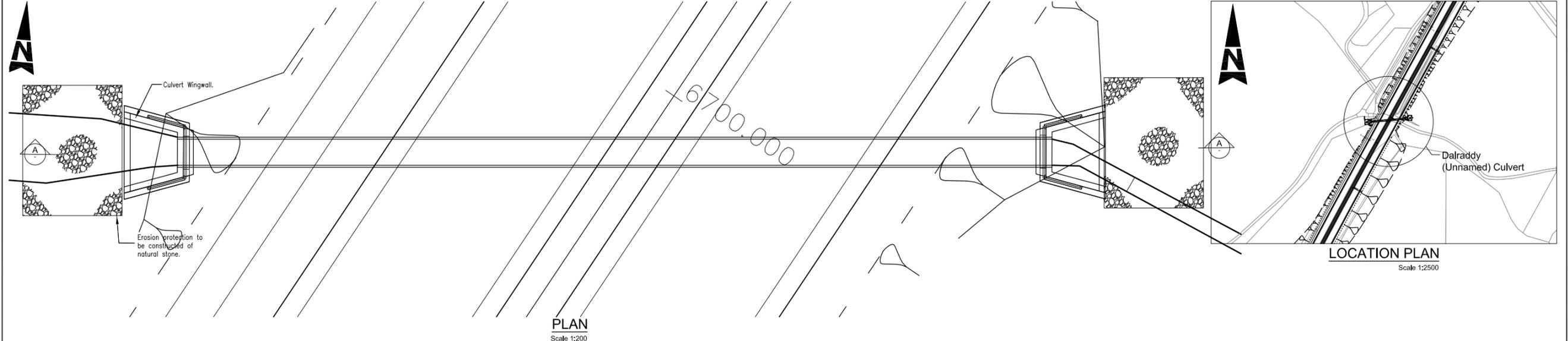
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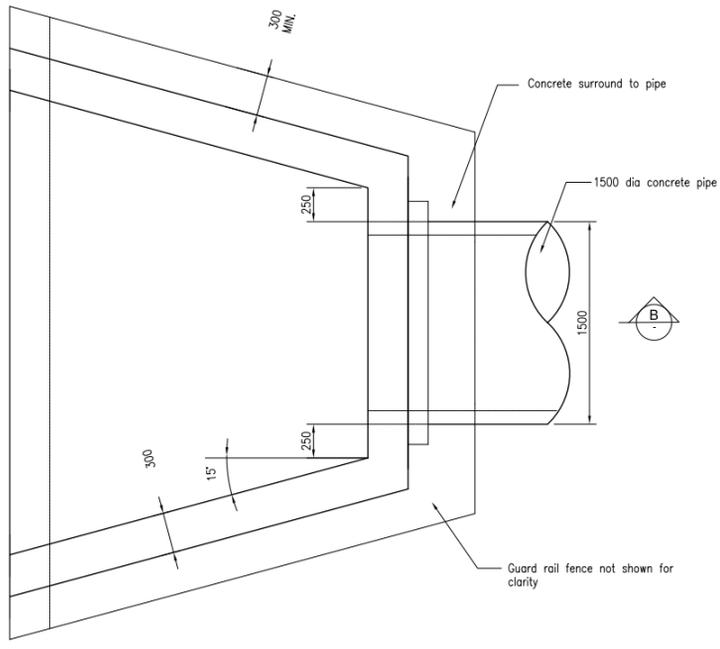
Project
A9
DUALLING
 PERTH TO INVERNESS
 Kintraig to Dalraddy

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			
Construction	TBC		
Maintenance/Cleaning	TBC		
Use	TBC		
Decommissioning/Demolition	TBC		

TITLE MEADOWSIDE (UNNAMED) WATERCOURSE CROSSING MAINLINE CH: 024 GENERAL ARRANGEMENT			
Original Scale	As Shown	Designed/Drawn	Checked
		IR	JV
Status	Drawing Number	Date	Date
P	5109850/ATK/0717/SR/DR/S/601	18/10/13	18/10/13
		Authorised	Rev
		RG	A



SECTION A-A
 Scale 1:200



HEADWALL PLAN
 SCALE 1:25

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 - Blinding concrete - Mix ST1
 - Footway/verge infill concrete - Class C28/35AF
 - Foundations below ground - Class C32/40
 - Structure above ground level - Class C40/50
 - All reinforcement shall be Grade B500B or B500C steel conforming to BS4449:2005.
- Finishes
 - Hidden surfaces - F1, U1
 - Exposed surfaces - F4, U3
 - Areas to receive waterproofing - U4
- F11 - Class 6N Type 2 fill behind substructure - angle of repose, $\phi \geq 35^\circ$
- All buried concrete surface shall be treated with two coats of bitumen paint.

Rev	Description	By	Date	Chk'd	Auth	Rev	Purpose of Issue	Date	Auth
A	Draft	IR	10/13	JV	RG	A	For information	10/13	RG
Rev	Description	By	Date	Chk'd	Auth	Rev	Purpose of Issue	Date	Auth

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 Kinraig to Dalraddy

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

Construction	TBC
Maintenance/Cleaning	TBC
Use	TBC
Decommissioning/Demolition	TBC

Title DALRADDY (UNNAMED) CULVERT CHAINAGE 6700 GENERAL ARRANGEMENT			
Original Scale As Shown	Designed/Drawn IR	Checked JV	Authorised RG
Status P	Drawing Number 5109850/ATK/0717/SR/DR/S/701	Date 18/10/13	Date 18/10/13
		Rev A	