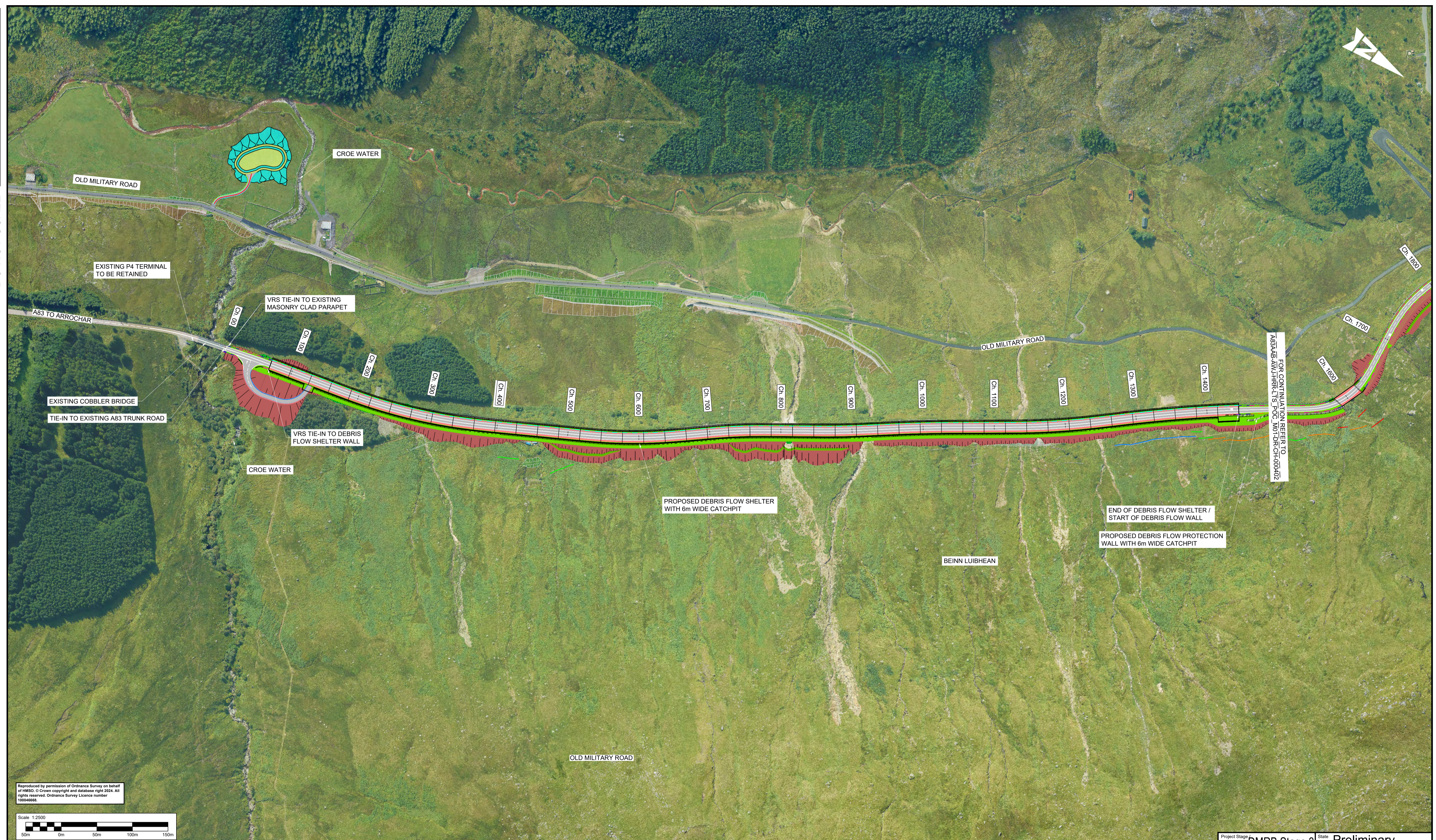
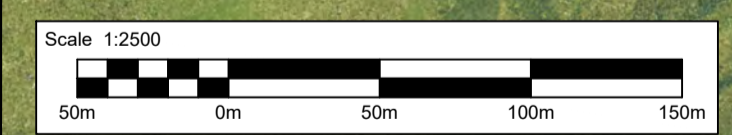


DO NOT SCALE

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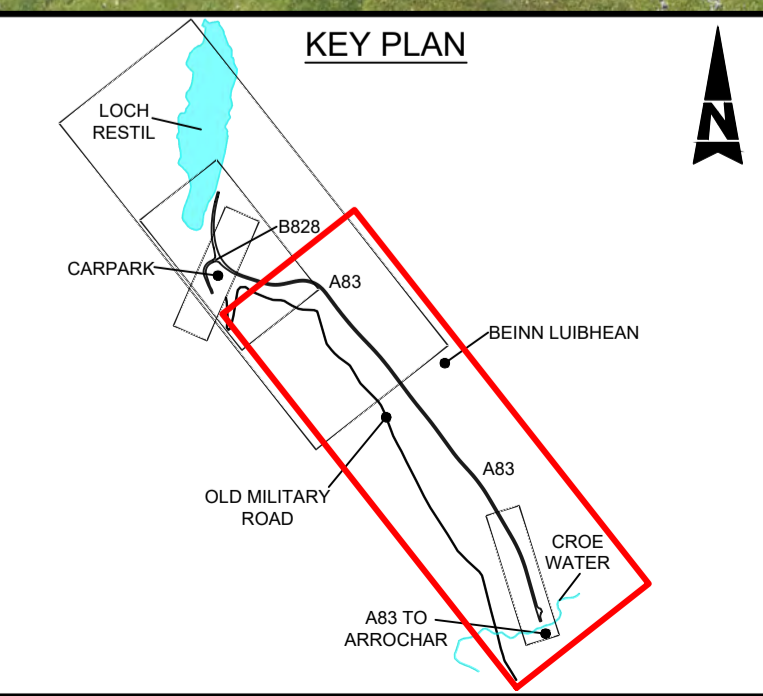


NOTES:

1. ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.

KEYS:

	SINGLE SIDED BARRIER		PROPOSED FOOTWAY
	CONCRETE BARRIER		PROPOSED KERBS
	CROSSOVER BARRIER		PROPOSED EARTHWORK EMBANKMENT
	SINGLE SIDED TRANSITION BARRIER		PROPOSED EARTHWORK CUTTING
	P1 / P4 TERMINAL		PROPOSED ROCK TRAPS
	PROPOSED CARRIAGEWAY		PROPOSED BERM
	PROPOSED VERGE		
	PROPOSED COMBINED DRAINAGE KERBS		



Description						
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DESIGN REFRESH 2						
S3	P01	VR	SG	CS	---	24/10/23
DESIGN REFRESH 3						
S1	P02	RA	SG	CS	---	22/02/24
FOR REVIEW						
S1	P03	RA	SG	CS	---	08/04/24
DMRB Stage 3 Report						
A3	C01	CG	PW	CS	RHG	29/11/24

Status: A3

Drawing Suitability: **AUTHORISED & ACCEPTED-STAGE 3**

AtkinsRéalis

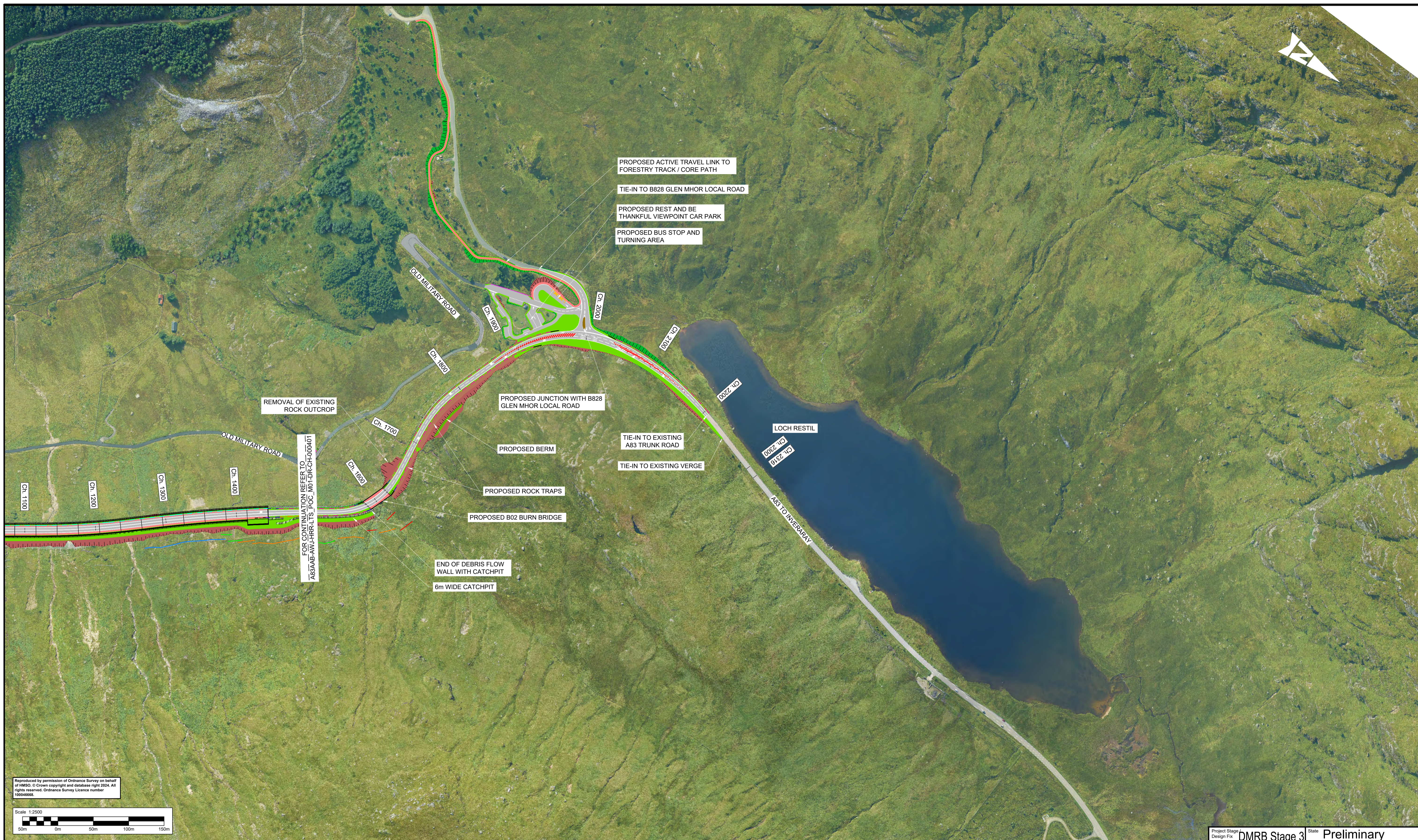
TRANSPORT SCOTLAND
COMHDHAIL ALBA

Project Stage Design File	DMRB Stage 3	State	Preliminary
Project Title	A83 Rest and Be Thankful		
Drawing Title	A83 MAINLINE VEHICLE RESTRAINT SYSTEM		
Drawing Number	Originator	Volume	
A83AAB	- AWJ - HRR -		
LTS_POC_M01	- DR-CH-000401		
Original Size	Scale	Project Ref. No.	Sheet
A1	1:2500	6204594	1 of 2
			Rev. C01

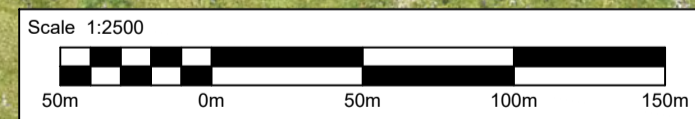
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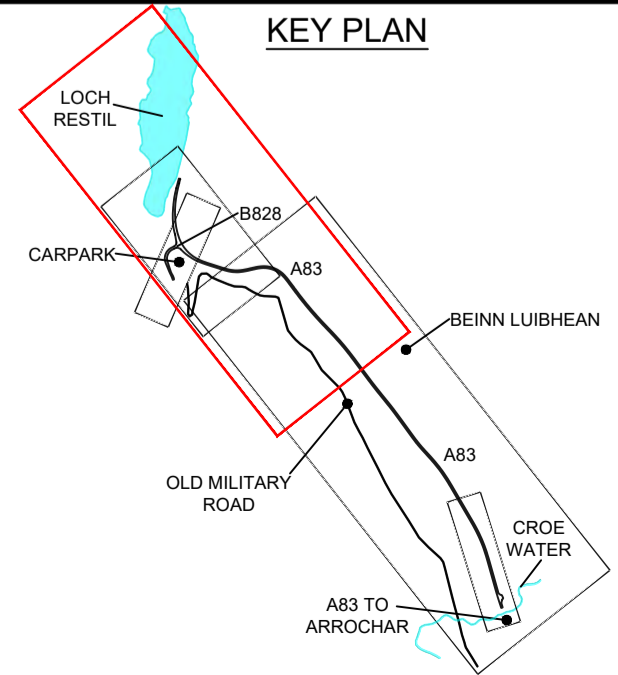
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NOTES:
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- KEYS:**
- SINGLE SIDED BARRIER
 - CONCRETE BARRIER
 - CROSSOVER BARRIER
 - SINGLE SIDED TRANSITION BARRIER
 - P1 / P4 TERMINAL
 - PROPOSED CARRIAGEWAY
 - PROPOSED VERGE
 - PROPOSED TRAFFIC ISLAND
 - PROPOSED FOOTWAY / CYCLEWAY
 - PROPOSED KERBS
 - PROPOSED EARTHWORK EMBANKMENT
 - PROPOSED EARTHWORK CUTTING
 - PROPOSED BERM
 - PROPOSED RETAINING WALL

KEY PLAN



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DMRB Stage 3 Report	A3	C01	CG	PW	CS	RHG	29/11/24

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

AtkinsRéalis **wsp**

Client: **TRANSPORT SCOTLAND**
COMHDHAIL ALBA

Project Stage: DMRB Stage 3	State: Preliminary
Project Title: A83 Rest and Be Thankful	
Drawing Title: A83 MAINLINE VEHICLE RESTRAINT SYSTEM	
Drawing Number: A83AAB - AWJ - HRR - LTS_POC_M01 - DR-CH-000402	Originator: AWJ
Location: LTS_POC_M01 - DR-CH-000402	Volume: 2 of 2
Original Size: A1	Scale: 1:2500
Project Ref. No.: 6204594	Rev: C01

6. Drainage and Hydrology Plans

OMR Improvements – Drainage Layout Plans

A83AAB-AWJ-HDG-MTS_MB0-DR-CD-050151 – OMR Interventions – Road Widening Drainage Layout – Sheet 1 of 4

A83AAB-AWJ-HDG-MTS_MB0-DR-CD-050152 – OMR Interventions – Road Widening Drainage Layout – Sheet 2 of 4

A83AAB-AWJ-HDG-MTS_MB0-DR-CD-050153 – OMR Interventions – Road Widening Drainage Layout – Sheet 3 of 4

A83AAB-AWJ-HDG-MTS_MB0-DR-CD-050154 – OMR Interventions – Road Widening Drainage Layout – Sheet 4 of 4

A83AAB-AWJ-HDG-MTS_MB0-DR-CD-050161 – OMR Interventions – Cut-Off Drainage Layout – Sheet 1 of 4

A83AAB-AWJ-HDG-MTS_MB0-DR-CD-050162 – OMR Interventions – Cut-Off Drainage Layout – Sheet 2 of 4

A83AAB-AWJ-HDG-MTS_MB0-DR-CD-050163 – OMR Interventions – Cut-Off Drainage Layout – Sheet 3 of 4

A83AAB-AWJ-HDG-MTS_MB0-DR-CD-050164 – OMR Interventions – Cut-Off Drainage Layout – Sheet 4 of 4

A83AAB-AWJ-HDG-MTS_MB0-DR-CD-050170 – OMR Interventions – Bend Widening Drainage Layout – Sheet 1 of 2

A83AAB-AWJ-HDG-MTS_MB0-DR-CD-050171 – OMR Interventions – Bend Widening Drainage Layout – Sheet 2 of 2

A83 – Drainage Layout Plans

A83AAB-AWJ-HDG-LTS_POC-DR-CD-000001 – Drainage Layout – Sheet 1 of 10

A83AAB-AWJ-HDG-LTS_POC-DR-CD-000002 – Drainage Layout – Sheet 2 of 10

A83AAB-AWJ-HDG-LTS_POC-DR-CD-000003 – Drainage Layout – Sheet 3 of 10

A83AAB-AWJ-HDG-LTS_POC-DR-CD-000004 – Drainage Layout – Sheet 4 of 10

A83AAB-AWJ-HDG-LTS_POC-DR-CD-000005 – Drainage Layout – Sheet 5 of 10

A83AAB-AWJ-HDG-LTS_POC-DR-CD-000006 – Drainage Layout – Sheet 6 of 10

A83AAB-AWJ-HDG-LTS_POC-DR-CD-000007 – Drainage Layout – Sheet 7 of 10

A83AAB-AWJ-HDG-LTS_POC-DR-CD-000008 – Drainage Layout – Sheet 8 of 10

A83AAB-AWJ-HDG-LTS_POC-DR-CD-000009 – Drainage Layout – Sheet 9 of 10

A83AAB-AWJ-HDG-LTS_POC-DR-CD-000010 – Drainage Layout – Sheet 10 of 10

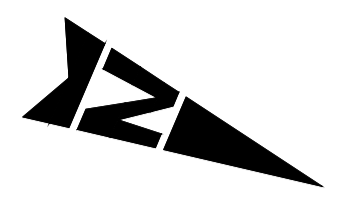
Detention Basin Details

A83AAB-AWJ-HDG-LTS_GEN-DE-CD-000101 – Detention Basin – Typical Details

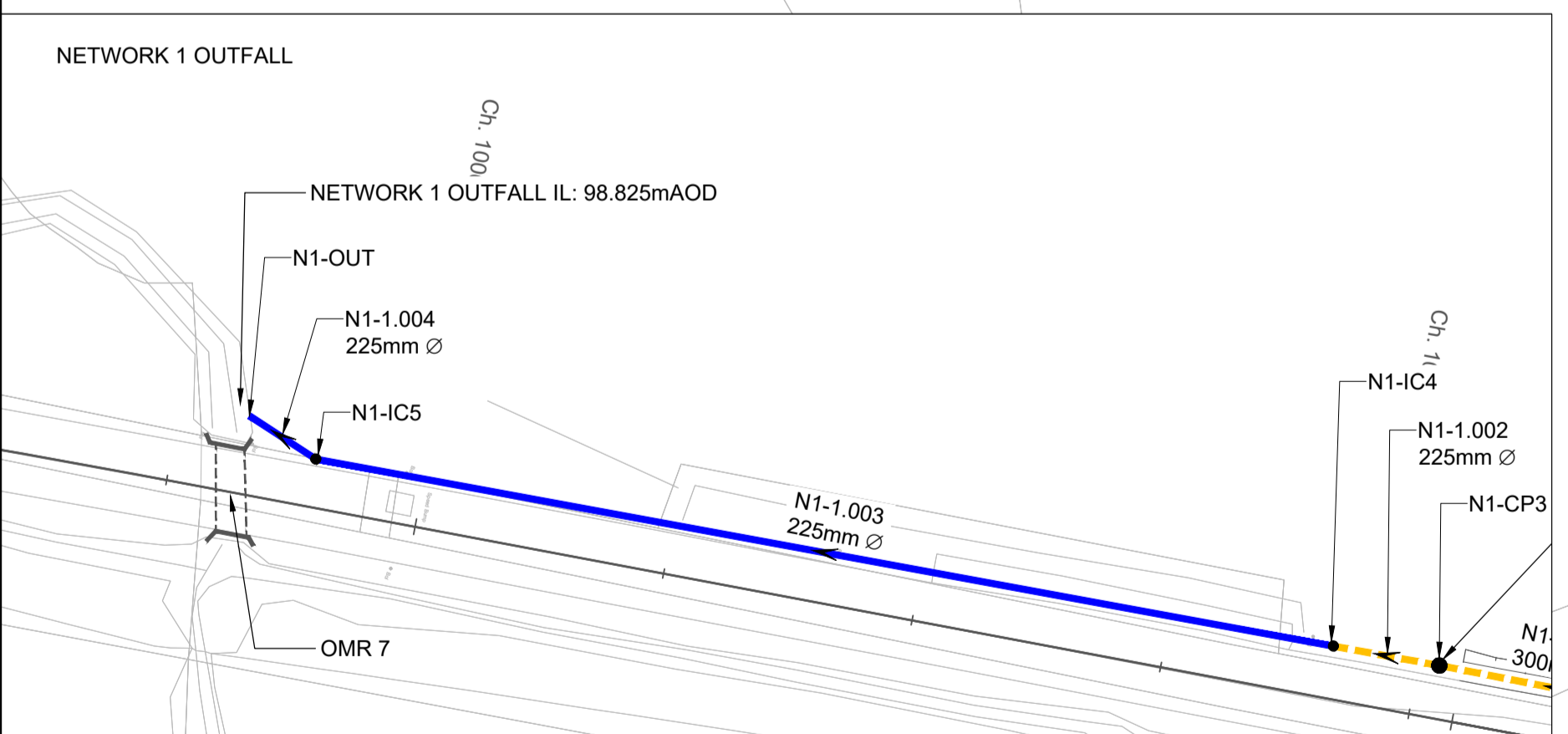
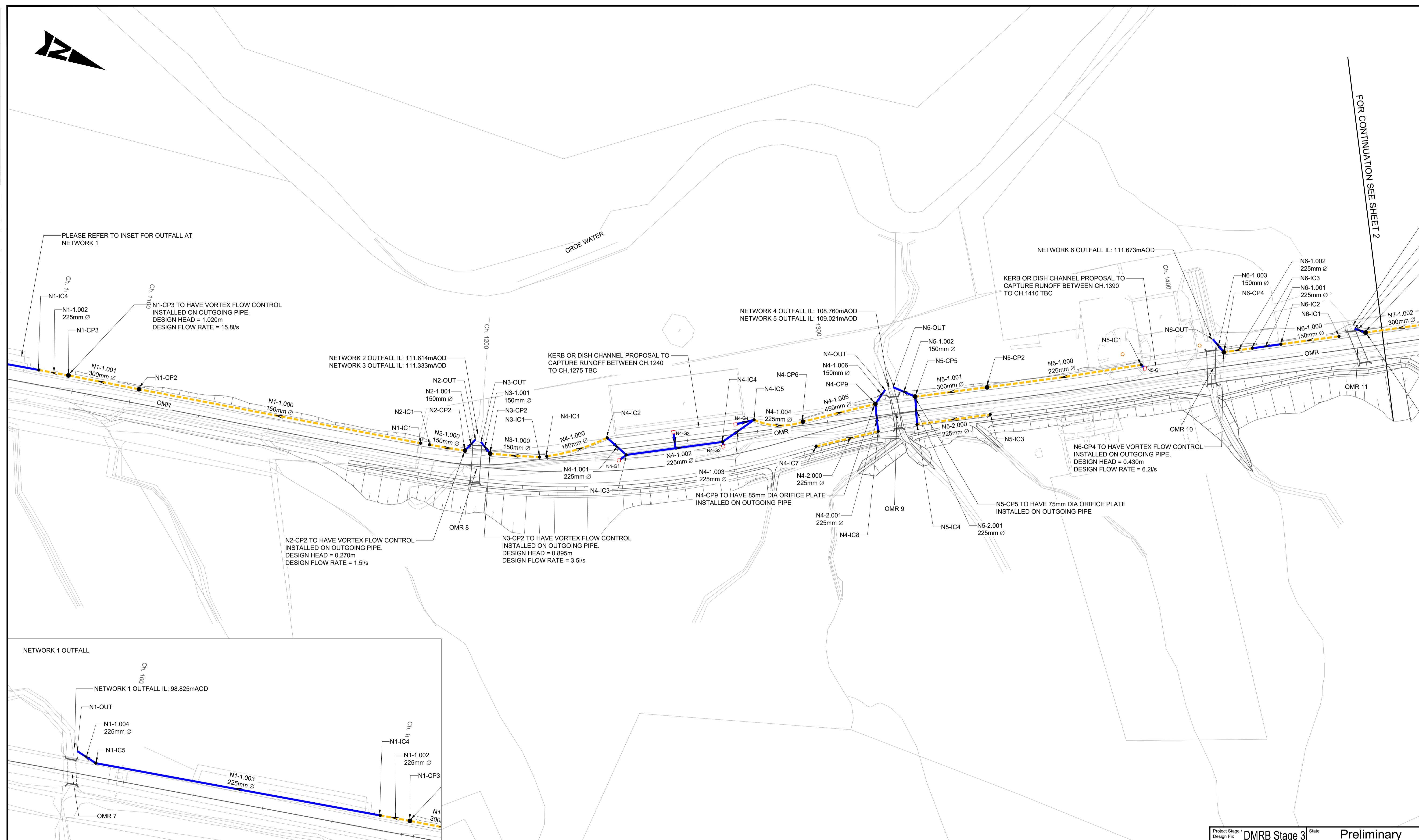
Watercourse Realignment

A83AAB-AWJ-EWE-LTS_POC-DR-CD-100001 – Watercourse Realignment – Typical Arrangement and Sections

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FOR CONTINUATION SEE SHEET 2



GENERAL NOTES:

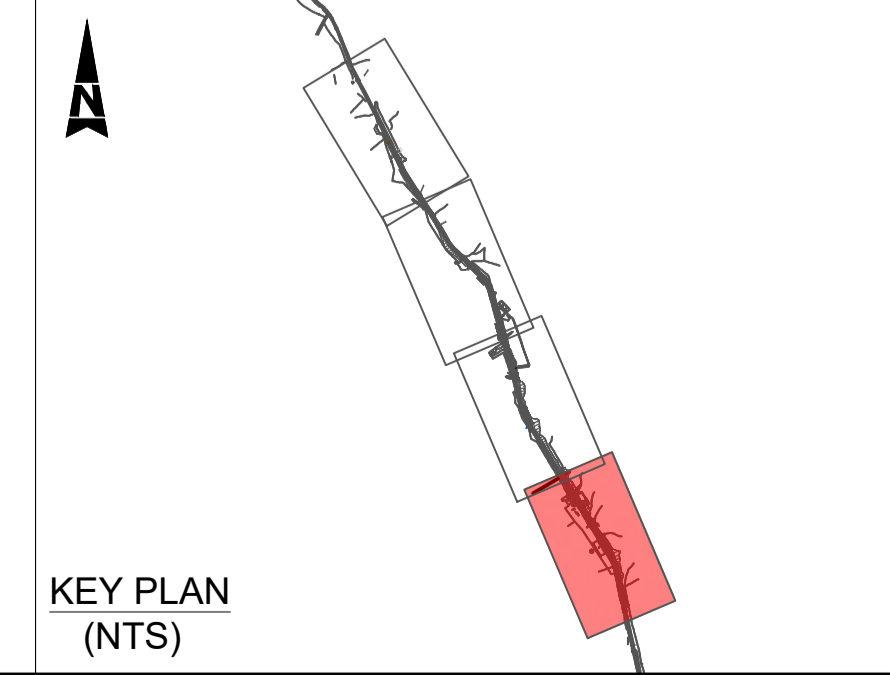
- ALL MEASUREMENTS ARE IN METERS UNLESS STATED OTHERWISE.
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KEY

- EXISTING HIGHWAY BOUNDARY
- PROPOSED FILTER DRAIN
- PROPOSED CARRIER DRAIN
- FLOW DIRECTION

DRAINAGE STRUCTURE KEY

- NX-CPXX ● CATCHPIT CHAMBER
- NX-ICX ● INSPECTION CHAMBER
- NX-GX □ PROPOSED GULLY



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Scheme Assessment Report	A3	C01	MB	GL	PG	RHG	06/11/24

Status: A3

Drawing Suitability: **AUTHORISED & ACCEPTED-STAGE 3**

AtkinsRéalis WSP

Client: **TRANSPORT SCOTLAND**
 COMHDHAIL ALBA

Project Stage / Design File: **DMRB Stage 3** State: **Preliminary**

Project Title: **A83 Rest and Be Thankful**

Drawing Title: **OMR INTERVENTIONS - PHASE 3
 HIGHWAY DRAINAGE LAYOUT
 SHEET 1 OF 4**

Drawing Number: **A83AAB - AWJ - HDG - MTS_MBO - DR-CD-050151**

Originator: **AWJ** Volume: **HDG**

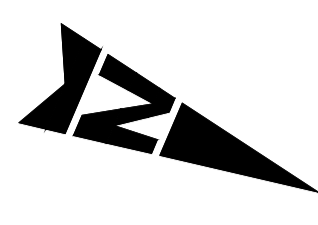
Location: **MTS_MBO** Type: **DR** Role: **CD** Number: **050151**

Original Size: **A1** Scale: **AS SHOWN** Project Ref. No.: **6204594** Sheet: **1 of 1** Rev: **C01**

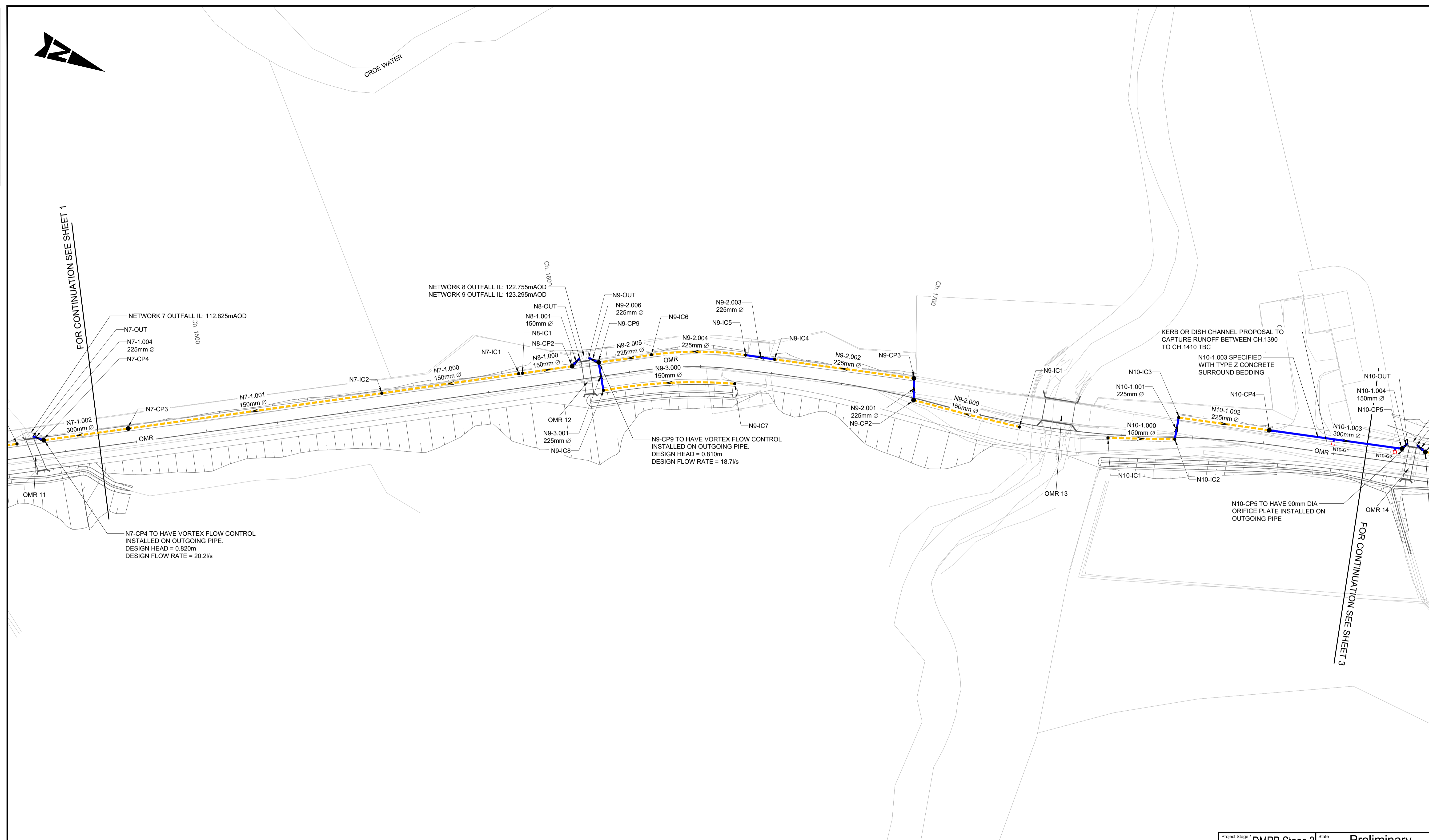
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CROE WATER

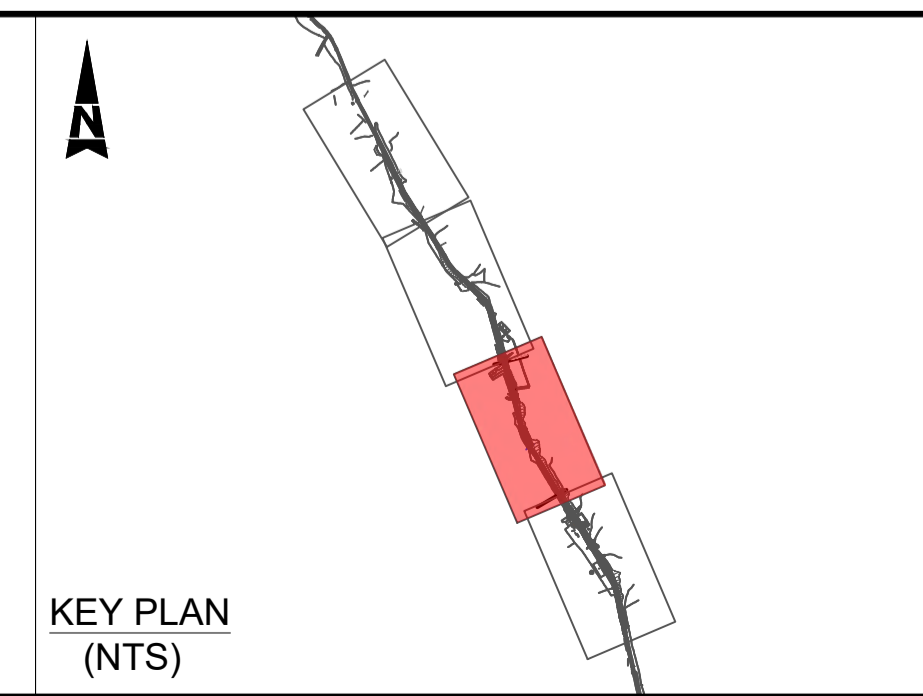


FOR CONTINUATION SEE SHEET 1

FOR CONTINUATION SEE SHEET 3

- GENERAL NOTES:**
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- KEY**
- EXISTING HIGHWAY BOUNDARY
 - PROPOSED FILTER DRAIN
 - PROPOSED CARRIER DRAIN
 - FLOW DIRECTION
- DRAINAGE STRUCTURE KEY**
- NX-CPXX ● CATCHPIT CHAMBER
 - NX-ICX ● INSPECTION CHAMBER
 - NX-GX □ PROPOSED GULLY



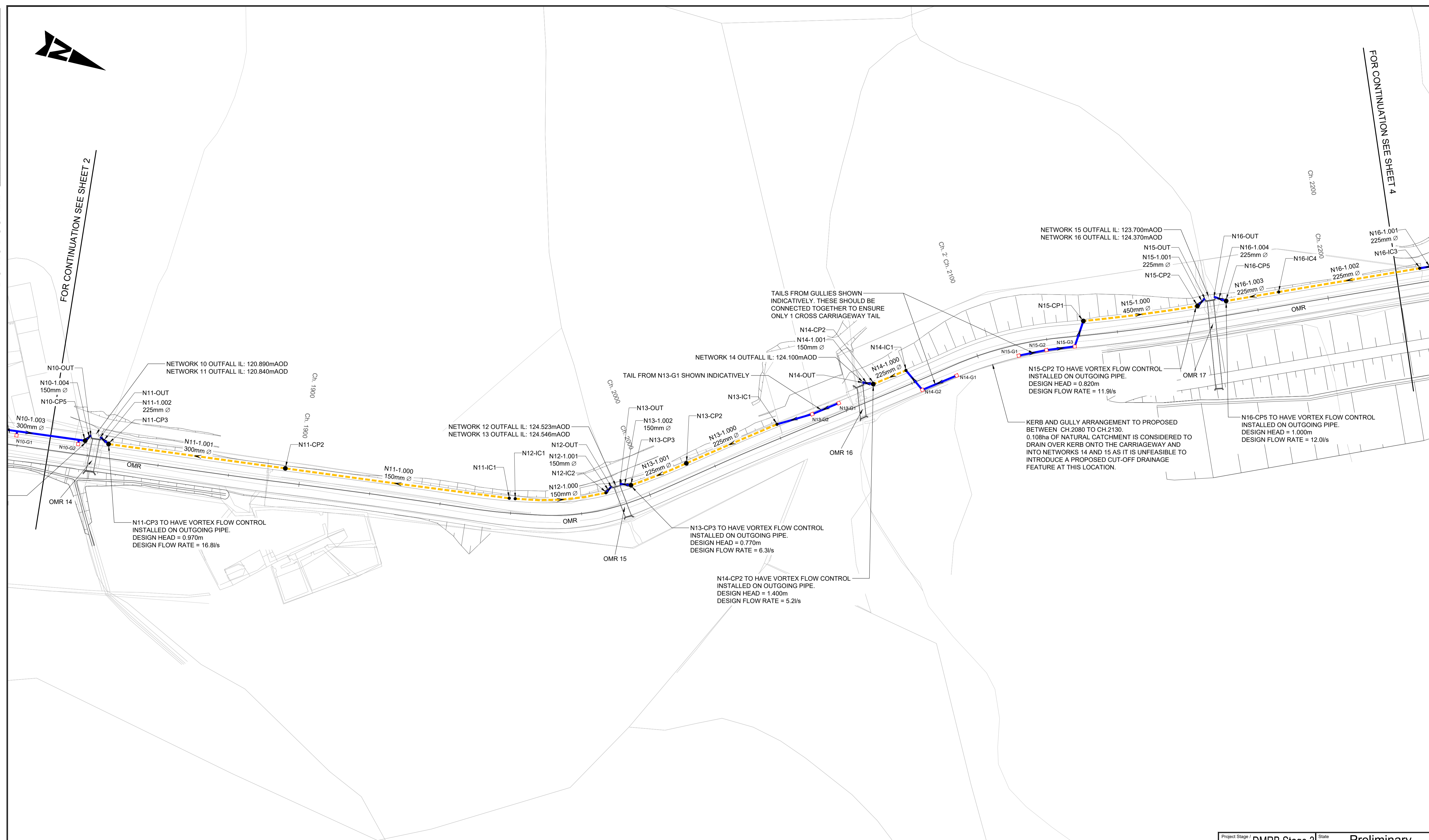
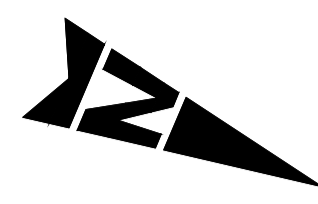
Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Scheme Assessment Report	A3	C01	MB	GL	PG	RHG	06/11/24

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

Client: **TRANSPORT SCOTLAND**
COMHDHAIL ALBA

Project Stage / Design File: DMRB Stage 3	State: Preliminary
Project Title: A83 Rest and Be Thankful	Drawing Title: OMR INTERVENTIONS - PHASE 3 HIGHWAY DRAINAGE LAYOUT SHEET 2 OF 4
Drawing Number: A83AAB	Originator: AWJ
Project: MTS_MBO	Volume: HDG - DR-CD-050152
Location:	Type: Role: Number:
Original Size: A1	Scale: AS SHOWN
Project Ref. No.: 6204594	Sheet: 1 of 1
	Rev: C01

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GENERAL NOTES:

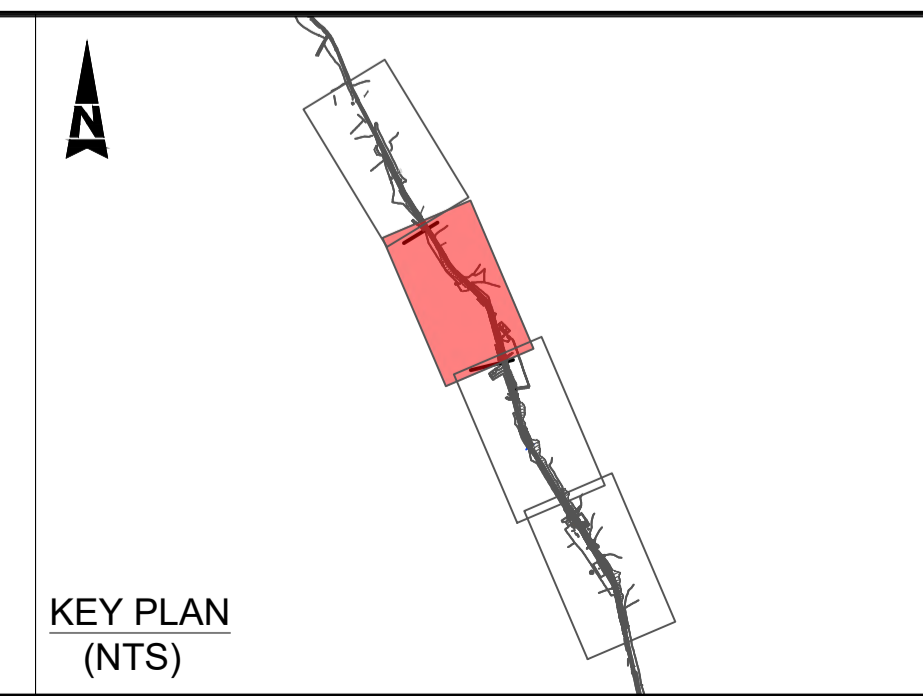
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KEY

- EXISTING HIGHWAY BOUNDARY
- PROPOSED FILTER DRAIN
- PROPOSED CARRIER DRAIN
- FLOW DIRECTION

DRAINAGE STRUCTURE KEY

- NX-CPXX ● CATCHPIT CHAMBER
- NX-ICX ● INSPECTION CHAMBER
- NX-GX □ PROPOSED GULLY



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Scheme Assessment Report	A3	C01	MB	GL	PG	RHG	06/11/24

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

Client: TRANSPORT SCOTLAND COMHDHAIL ALBA

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

Project Title: **A83 Rest and Be Thankful**

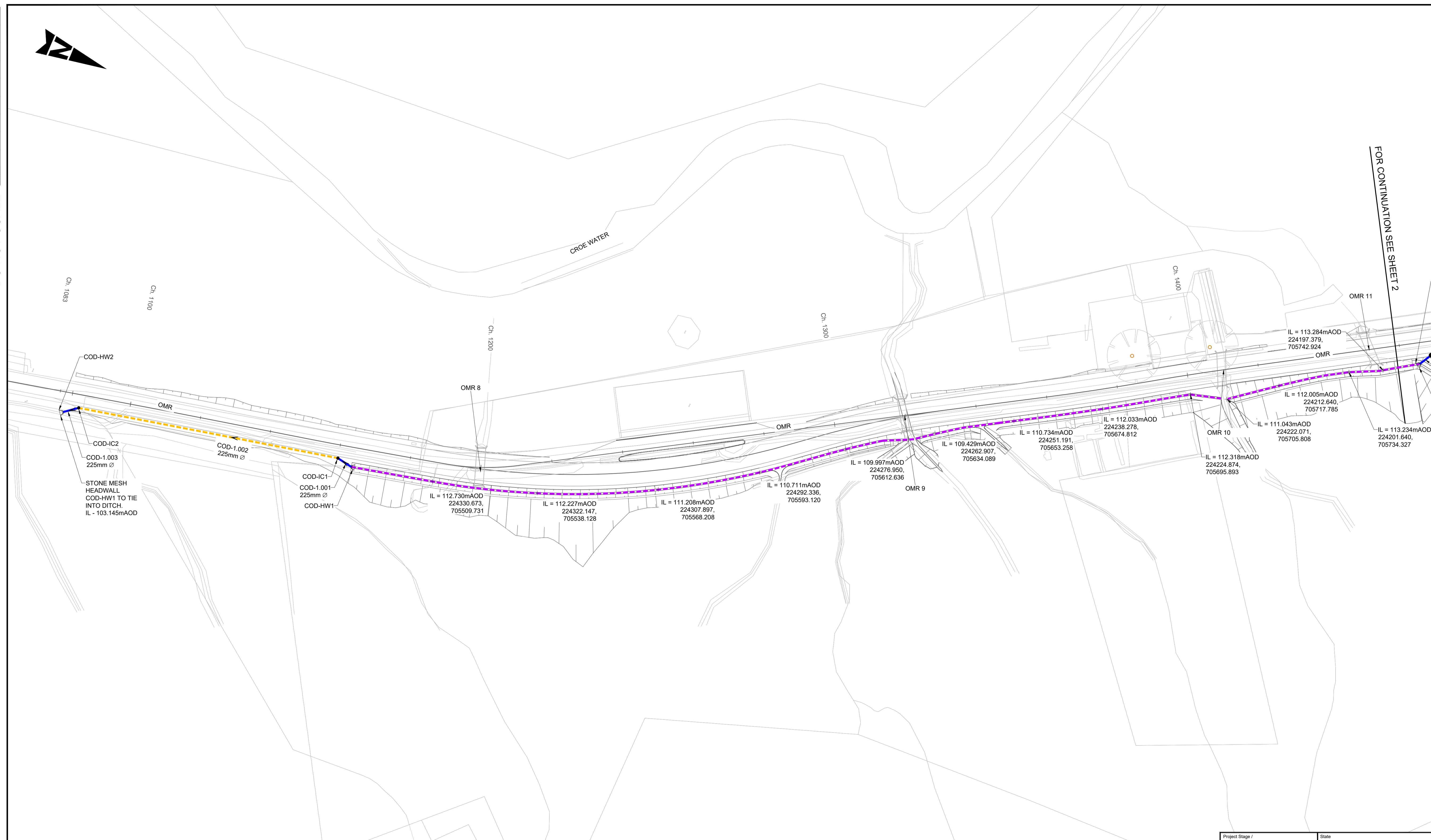
Drawing Title: **OMR INTERVENTIONS - PHASE 3 HIGHWAY DRAINAGE LAYOUT SHEET 3 OF 4**

Drawing Number: A83AAB - AWJ - HDG - MTS_MBO - DR-CD-050153

Original Size: A1 Scale: AS SHOWN Project Ref. No.: 6204594 Sheet: 1 of 1 Rev: C01

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FOR CONTINUATION SEE SHEET 2

GENERAL NOTES:

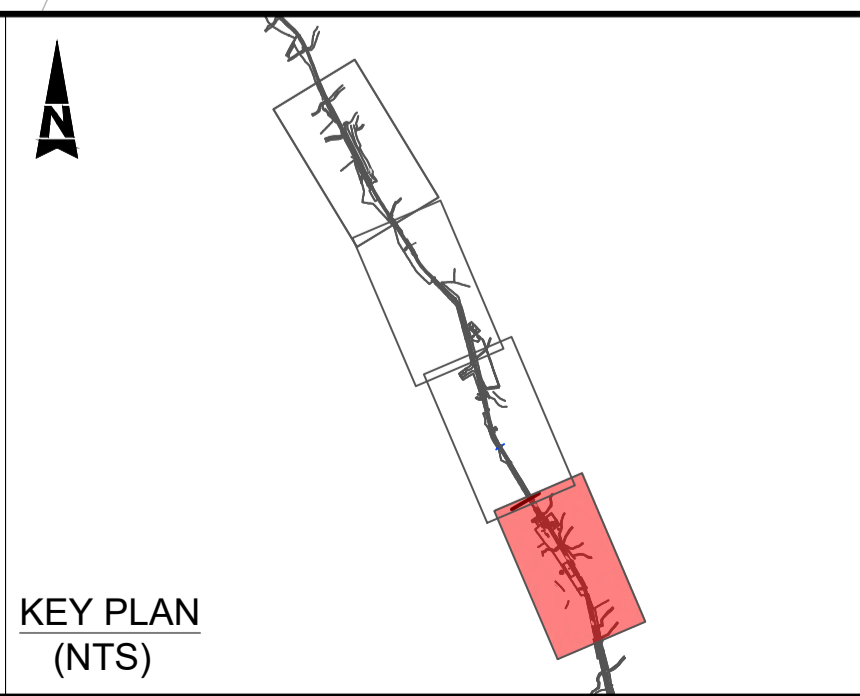
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2. ALL LEVELS ARE IN METERS ABOVE ORDINANCE DATUM.
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KEY

- EXISTING HIGHWAY BOUNDARY
- PROPOSED FILTER DRAIN
- PROPOSED CARRIER DRAIN
- PROPOSED DITCH
- FLOW DIRECTION

DRAINAGE STRUCTURE KEY

- COD-CPXX ● CATCHPIT CHAMBER
- COD-ICX ● INSPECTION CHAMBER
- COD-HWX □ STONE MESH HEADWALL



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Scheme Assessment Report	A3	C01	MB	GL	PG	RHG	06/11/24

Client

TRANSPORT SCOTLAND
COMHDAIL ALBA

Project Stage / Design Fix

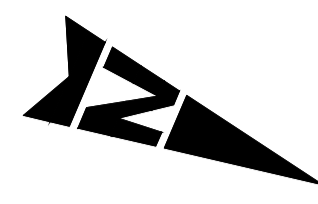
A3

Authorised & Accepted-Stage 3

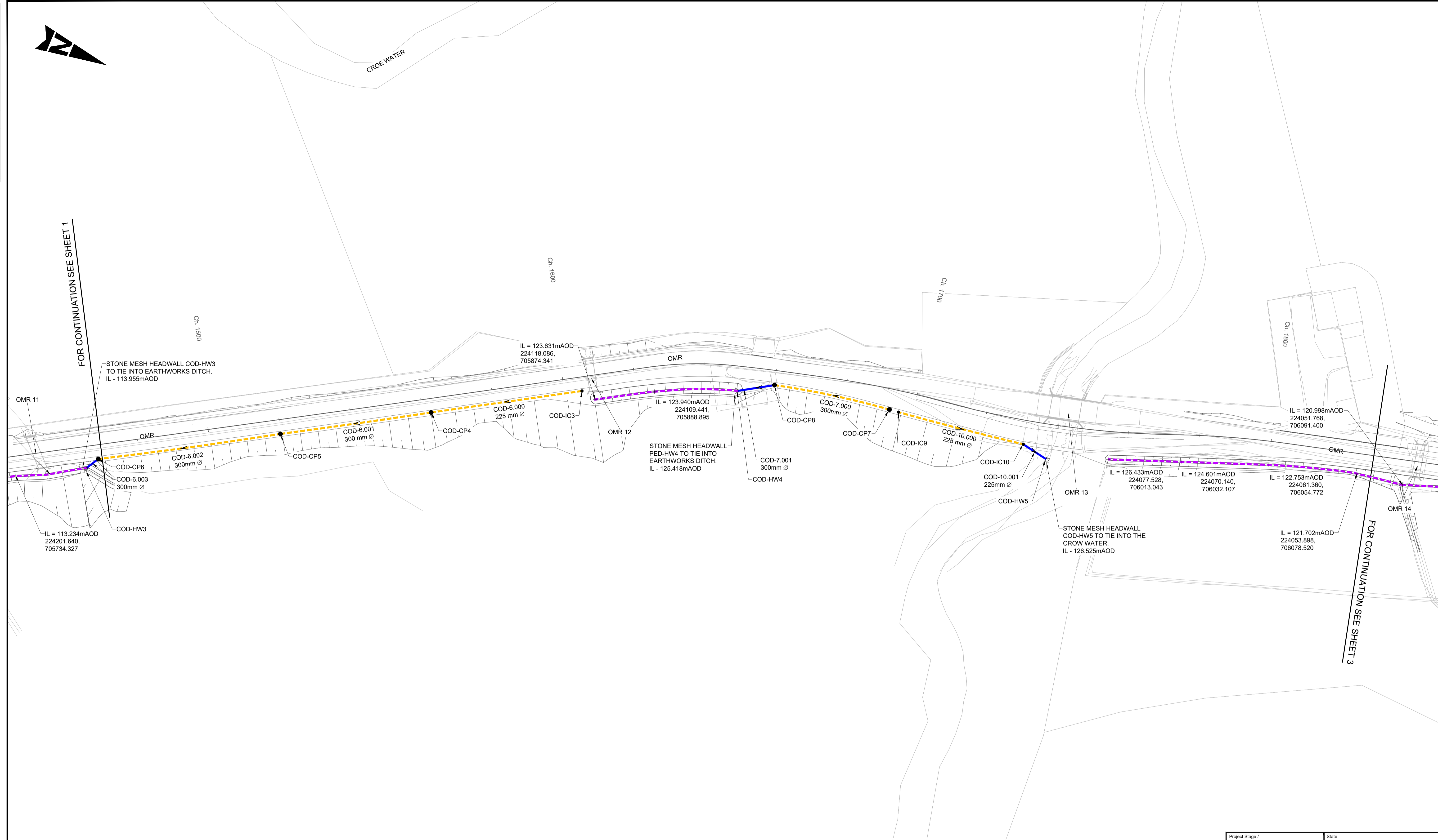
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Drawing Title	OMR INTERVENTIONS - PHASE 3 CUT-OFF HIGHWAY DRAINAGE LAYOUT SHEET 1 OF 4
Drawing Number	A83AAB - AWJ - HDG - MTS_MBO - DR-CD-050161
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Project Ref. No.	6204594
Sheet	1 of 1
Rev.	C01

DO NOT SCALE

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Millimetres



CROE WATER

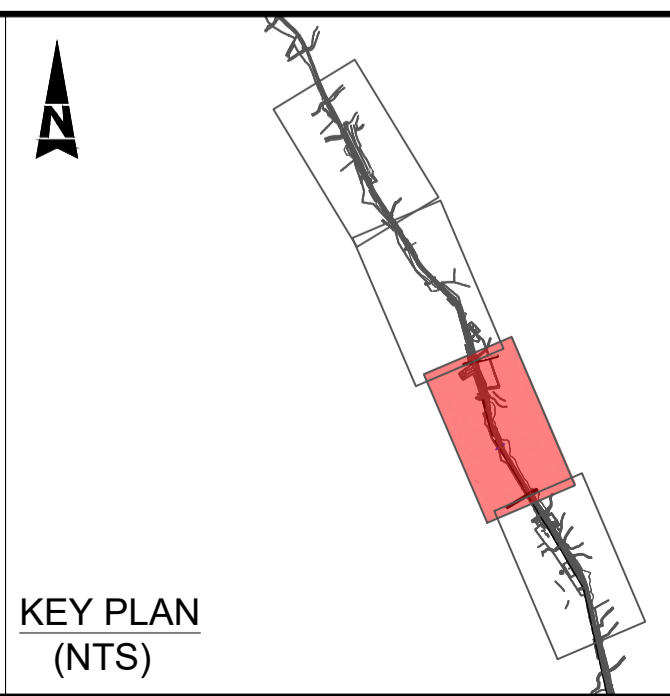


FOR CONTINUATION SEE SHEET 1

FOR CONTINUATION SEE SHEET 3

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- KEY**
- EXISTING HIGHWAY BOUNDARY
 - PROPOSED FILTER DRAIN
 - PROPOSED CARRIER DRAIN
 - PROPOSED DITCH
 - FLOW DIRECTION
- DRAINAGE STRUCTURE KEY**
- COD-CPXX ● CATCHPIT CHAMBER
 - COD-ICX ● INSPECTION CHAMBER
 - COD-HWX ◻ STONE MESH HEADWALL



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Scheme Assessment Report	A3	C01	MB	GL	PG	RHG	06/11/24

Project Stage / Design File: **A3** | Drawing Suitability: **AUTHORISED & ACCEPTED-STAGE 3**

AtkinsRéalis WSP

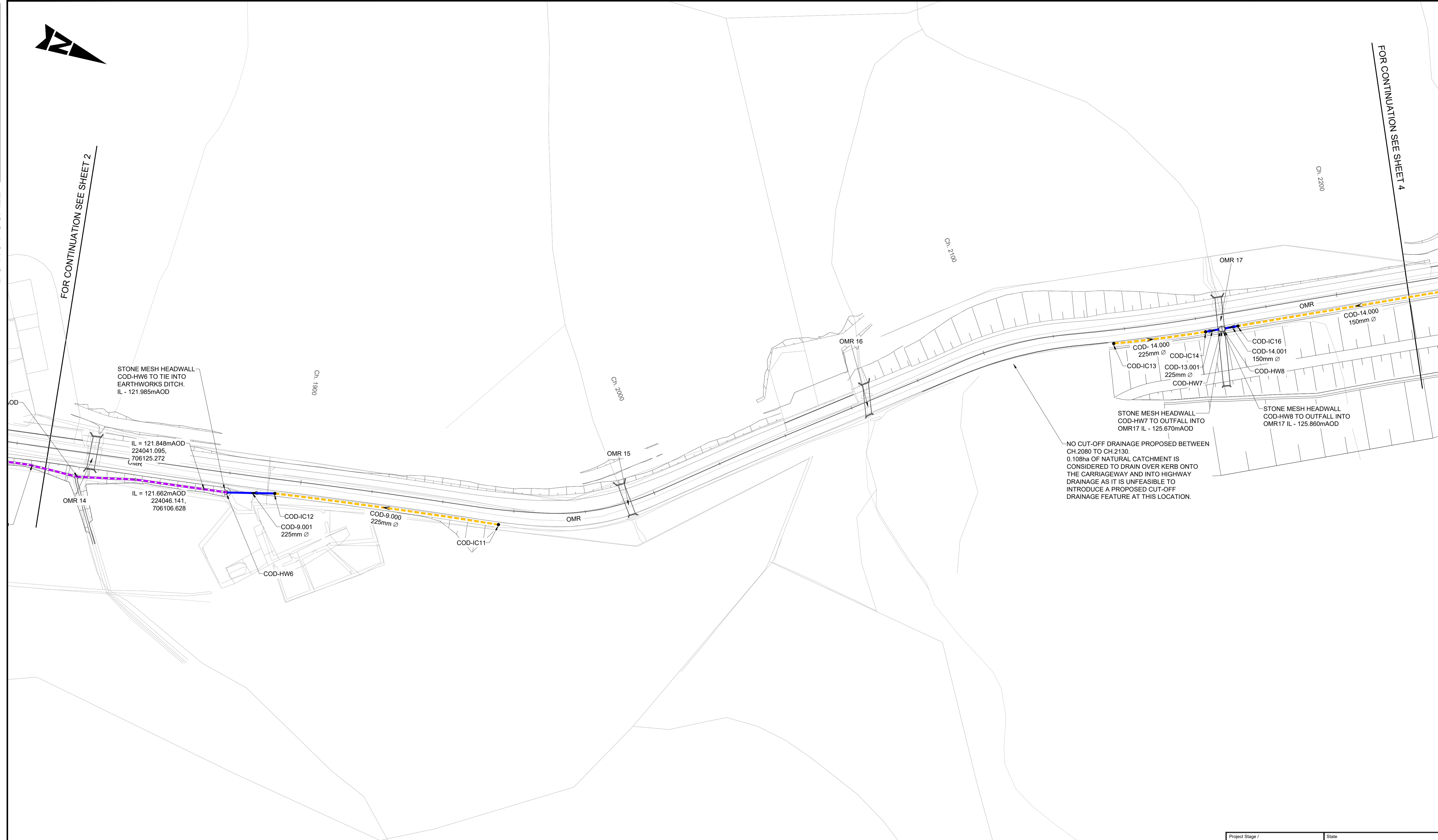
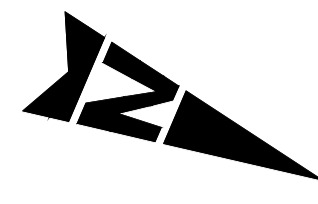
Client: **TRANSPORT SCOTLAND**
COMHDHAIL ALBA

Project Title	A83 Rest and Be Thankful		
Drawing Title	OMR INTERVENTIONS - PHASE 3 CUT-OFF HIGHWAY DRAINAGE LAYOUT SHEET 2 OF 4		
Drawing Number	Project	Originator	Volume
A83AAB	- AWJ	- HDG	-
MTS_MBO	- DR-CD-	- 050162	
Location	Type	Role	Number
A1	AS SHOWN	6204594	1 of 1
Original Size	Scale	Project Ref. No.	Sheet
A1	AS SHOWN	6204594	1 of 1
Rev.	C01		

DO NOT SCALE

Millimetres

0 10 100



FOR CONTINUATION SEE SHEET 2

FOR CONTINUATION SEE SHEET 4

STONE MESH HEADWALL
COD-HW6 TO TIE INTO
EARTHWORKS DITCH.
IL - 121.985m AOD

IL = 121.848m AOD
224041.095,
706125.272

IL = 121.662m AOD
224046.141,
706106.628

COD-IC12
COD-9.001
225mm Ø

COD-9.000
225mm Ø

COD-IC11

STONE MESH HEADWALL
COD-HW7 TO OUTFALL INTO
OMR17 IL - 125.670m AOD

COD-14.000
225mm Ø

COD-IC13
COD-13.001
225mm Ø

COD-IC14
COD-14.001
150mm Ø

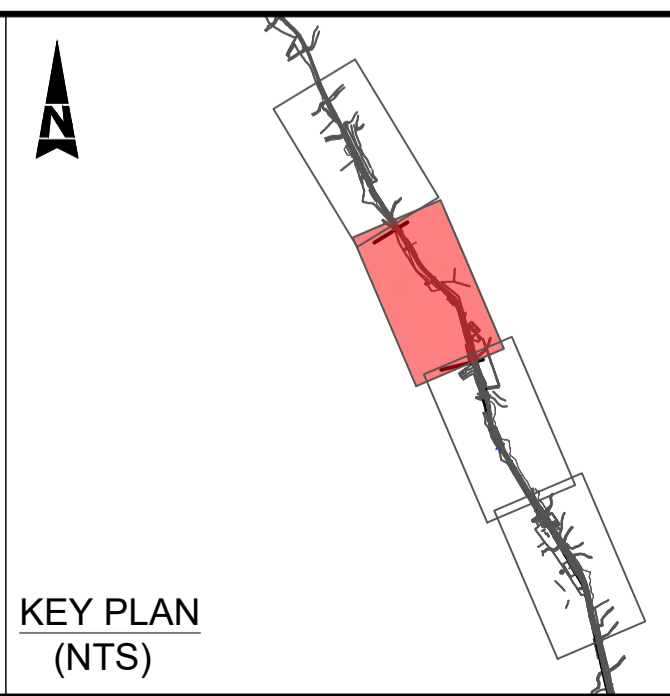
COD-14.000
150mm Ø

STONE MESH HEADWALL
COD-HW8 TO OUTFALL INTO
OMR17 IL - 125.860m AOD

NO CUT-OFF DRAINAGE PROPOSED BETWEEN
CH.2080 TO CH.2130.
0.108ha OF NATURAL CATCHMENT IS
CONSIDERED TO DRAIN OVER KERB ONTO
THE CARRIAGEWAY AND INTO HIGHWAY
DRAINAGE AS IT IS UNFEASIBLE TO
INTRODUCE A PROPOSED CUT-OFF
DRAINAGE FEATURE AT THIS LOCATION.

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- KEY**
- EXISTING HIGHWAY BOUNDARY
 - PROPOSED FILTER DRAIN
 - PROPOSED CARRIER DRAIN
 - PROPOSED DITCH
 - FLOW DIRECTION
- DRAINAGE STRUCTURE KEY**
- COD-CPXX ● CATCHPIT CHAMBER
 - COD-ICX ● INSPECTION CHAMBER
 - COD-HWX ◻ STONE MESH HEADWALL



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Scheme Assessment Report	A3	C01	MB	GL	PG	RHG	06/11/24

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

AtkinsRéalis **WSP**

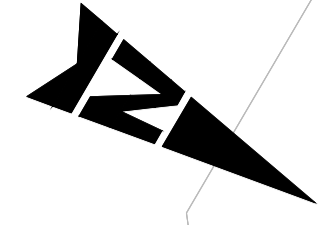
Client: **TRANSPORT SCOTLAND** **COMHDAIL ALBA**

Project Stage / Design Fix	State
Project Title	A83 Rest and Be Thankful
Drawing Title	OMR INTERVENTIONS - PHASE 3 CUT-OFF HIGHWAY DRAINAGE LAYOUT SHEET 3 OF 4
Drawing Number	A83AAB - AWJ - HDG - MTS_MBO - DR-CD-050163
Originator	AWJ
Volume	HDG
Location	MTS_MBO - DR-CD-050163
Original Size	A1
Scale	AS SHOWN
Project Ref. No.	6204594
Sheet	1 of 1
Rev.	C01

DO NOT SCALE
FOR CONTINUATION SEE SHEET 3

100
Millimetres

0 10



STONE MESH HEADWALL
COD-HW9 TO TIE INTO
EXISTING CULVERT
UPSTREAM INLET
IL - 129.735mAOD

GENERAL NOTES:

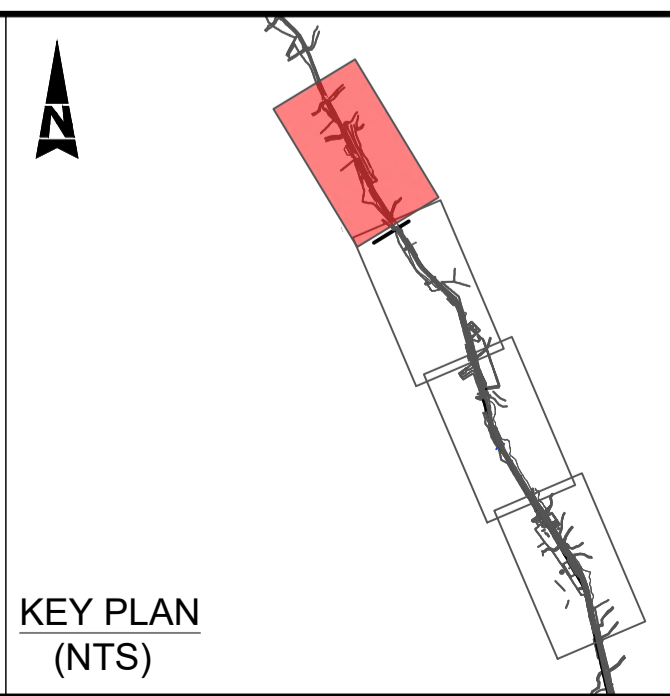
1. ALL MEASUREMENTS ARE IN METERS UNLESS STATED OTHERWISE.
2. ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM.
3. DO NOT SCALE FROM THIS DRAWING.
4. THIS DRAWING MUST BE PLOTTED/PRINTED IN COLOUR.
5. FOR BEDDING TYPE, FILTER DRAIN TO HAVE TYPE H AND CARRIER PIPE TO HAVE TYPE S AS SPECIFIED IN MCHW HIGHWAY CONSTRUCTION DETAILS SERIES F (UNLESS OTHERWISE STATED IN SCHEDULE).
6. EXISTING BT LINE NOT SHOWN FOR CLARITY. ASSUMED THAT THIS WILL BE REMOVED AND WONT CLASH WITH PROPOSED WORKS.
7. ANY FUTURE INVASIVE WORKS UNDERTAKEN BY A CONTRACTOR TO CONFIRM THE LOCATION OF UTILITIES SHOULD BE IN ACCORDANCE WITH HSG47 & PAS128. RESPONSIBILITY FOR CONFIRMING THE LOCATIONS AND PROTECTING UTILITIES ON SITE RESTS WITH THE CONTRACTOR, REGARDLESS OF ANY INFORMATION PROVIDED TO ASSIST IN THEIR LOCATION.

KEY

- EXISTING HIGHWAY BOUNDARY
- PROPOSED FILTER DRAIN
- PROPOSED CARRIER DRAIN
- PROPOSED DITCH
- < FLOW DIRECTION

DRAINAGE STRUCTURE KEY

- COD-CPXX CATCHPIT CHAMBER
- COD-ICX INSPECTION CHAMBER
- ◻ COD-HWX STONE MESH HEADWALL



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Scheme Assessment Report	A3	C01	MB	GL	PG	RHG	06/11/24

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

AtkinsRéalis WSP

Client: **TRANSPORT SCOTLAND COMHDHAIL ALBA**

Project Stage / Design Fix	State
Project Title	A83 Rest and Be Thankful
Drawing Title	OMR INTERVENTIONS - PHASE 3 CUT-OFF HIGHWAY DRAINAGE LAYOUT SHEET 4 OF 4
Drawing Number	A83AAB - AWJ - HDG - MTS_MBO - DR-CD-050164
Originator	AWJ
Volume	HDG
Location	MTS_MBO - DR-CD-050164
Original Size	A1
Scale	AS SHOWN
Project Ref. No.	6204594
Sheet	1 of 1
Rev.	C01

DO NOT SCALE

Millimetres

0 10 100

FOR CONTINUATION REFER TO
A83AAB-AWJ-HDG-LTS_POC-DR-CD-000008

KEY

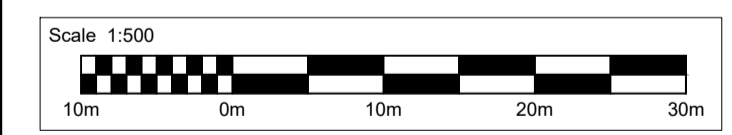
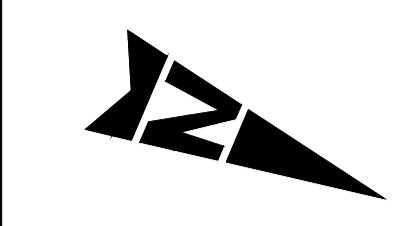
- EXISTING HIGHWAY BOUNDARY
- - - PROPOSED FILTER DRAIN
- - - PROPOSED FILTER-CARRIER DRAIN
- PROPOSED CARRIER DRAIN
- ▲ FLOW DIRECTION
- - - PROPOSED DITCH
- LINEAR DRAINAGE SYSTEM

DRAINAGE STRUCTURE KEY

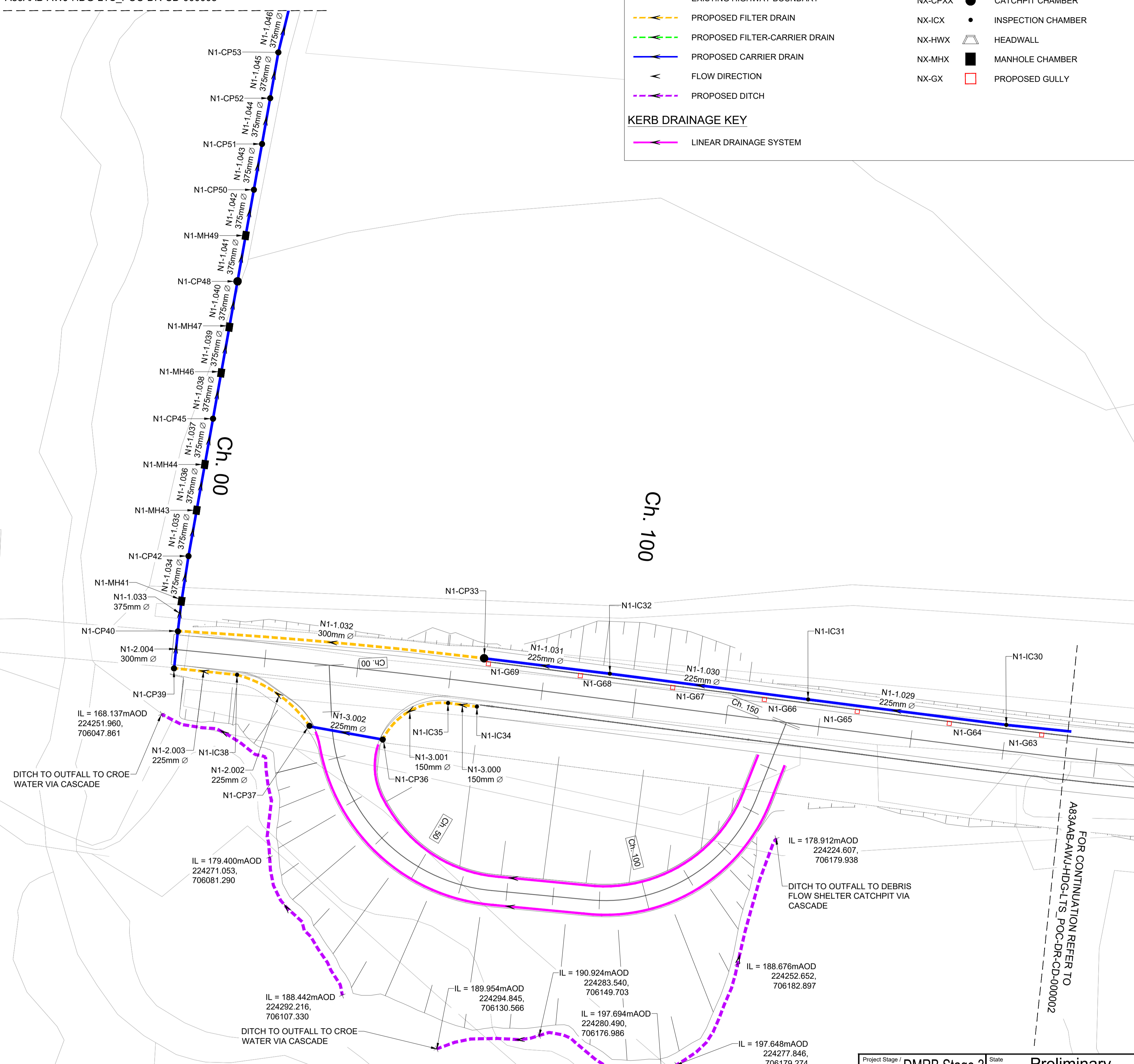
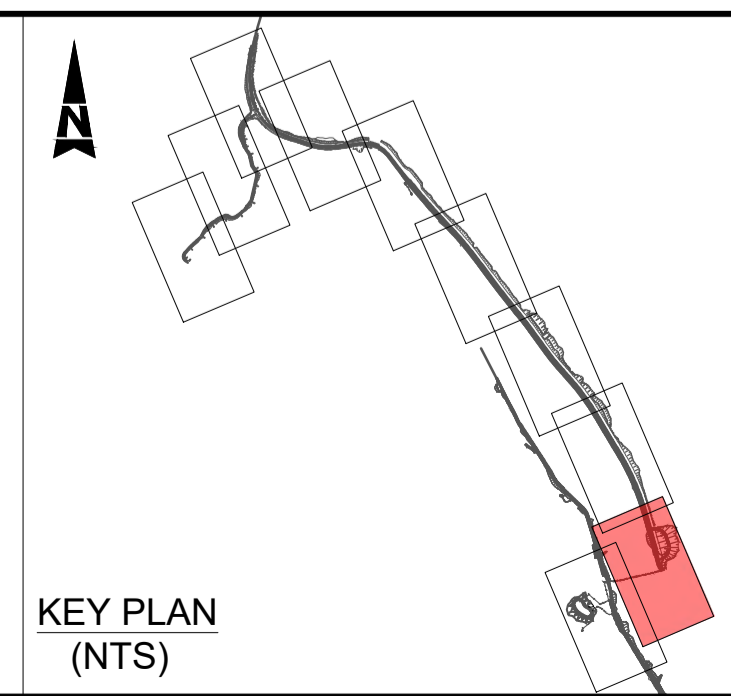
- NX-CPXX ● CATCHPIT CHAMBER
- NX-ICX ● INSPECTION CHAMBER
- NX-HWX ▽ HEADWALL
- NX-MHX ■ MANHOLE CHAMBER
- NX-GX □ PROPOSED GULLY

KERB DRAINAGE KEY

- LINEAR DRAINAGE SYSTEM



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Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 3 Report Issue	A3	C01	MB	GL	PG	RHG	08/11/24

AtkinsRéalis **wsp**

TRANSPORT SCOTLAND
COMHDAIL ALBA

A3 Drawing Suitability **AUTHORISED & ACCEPTED-STAGE 3**

Project Stage / Design File: **DMRB Stage 3** State: **Preliminary**

Project Title: **A83 Rest and Be Thankful**

Drawing Title: **LONG TERM SOLUTION PREFERRED OPTION PROPOSED DRAINAGE LAYOUT SHEET 1 OF 10**

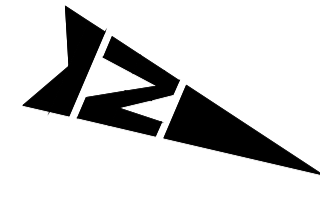
Drawing Number: **A83AAB - AWJ - HDG - LTS_POC - DR-CD-000001**

Original Size: **A1** Scale: 1:500 Project Ref. No.: 6204594 Sheet: 1 of 10 Rev: C01

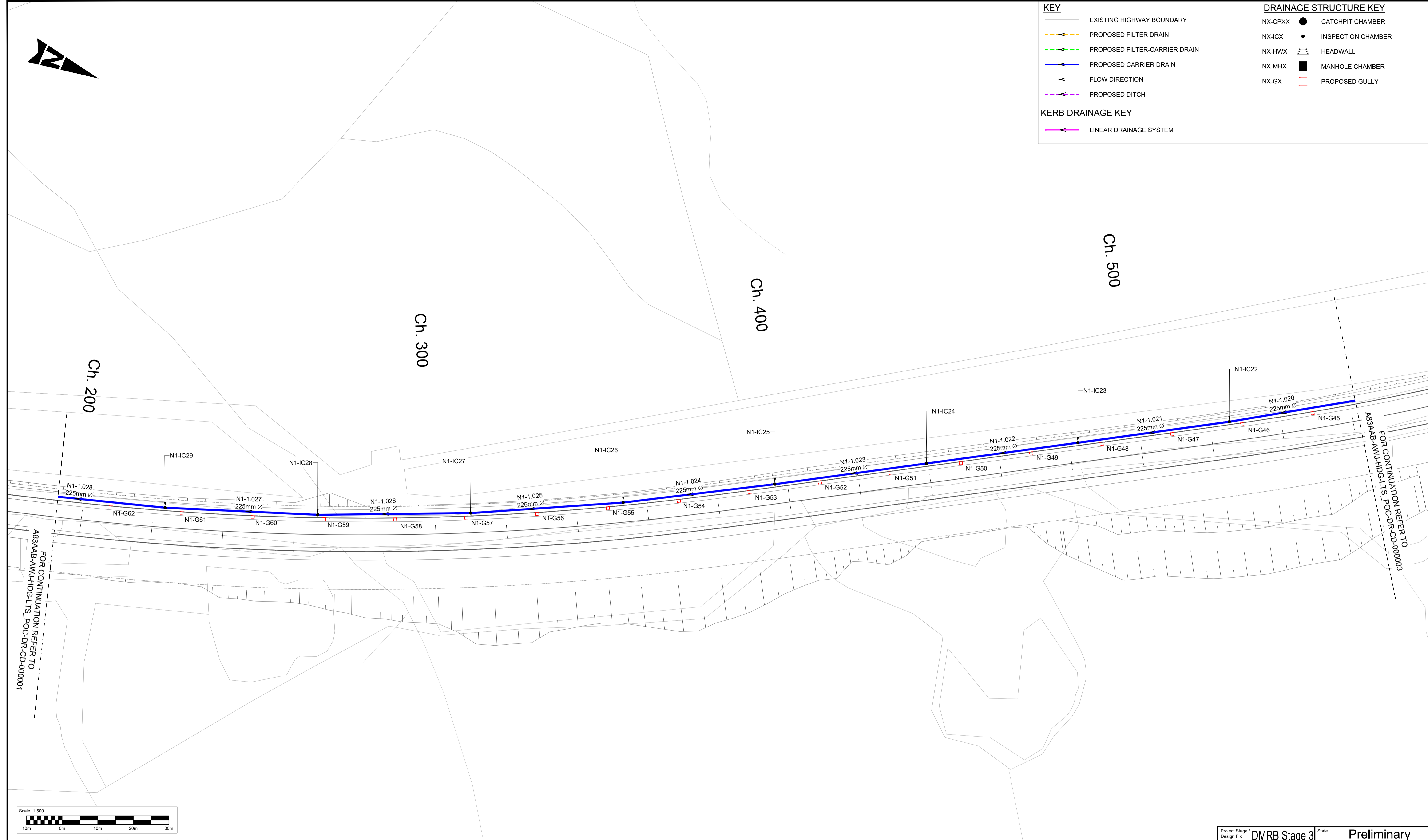
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Millimetres

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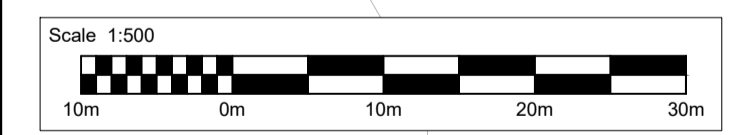


KEY		DRAINAGE STRUCTURE KEY	
	EXISTING HIGHWAY BOUNDARY		CATCHPIT CHAMBER
	PROPOSED FILTER DRAIN		INSPECTION CHAMBER
	PROPOSED FILTER-CARRIER DRAIN		HEADWALL
	PROPOSED CARRIER DRAIN		MANHOLE CHAMBER
	FLOW DIRECTION		PROPOSED GULLY
	PROPOSED DITCH		
KERB DRAINAGE KEY			
	LINEAR DRAINAGE SYSTEM		

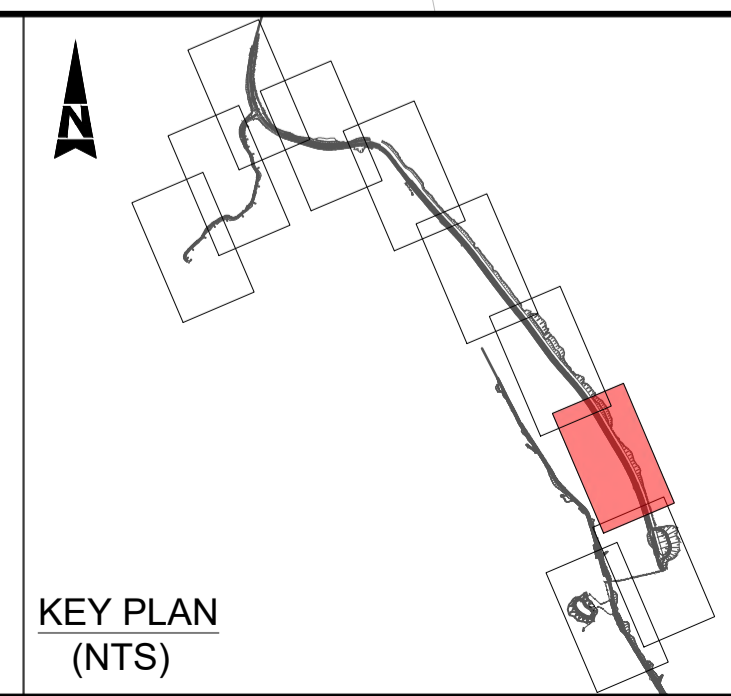


FOR CONTINUATION REFER TO A83AAB-AWJ-HDG-LTS_POC-DR-CD-000001

FOR CONTINUATION REFER TO A83AAB-AWJ-HDG-LTS_POC-DR-CD-000003



- GENERAL NOTES:**
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Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
	A3	C01	MB	GL	PG	RHG	08/11/24

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

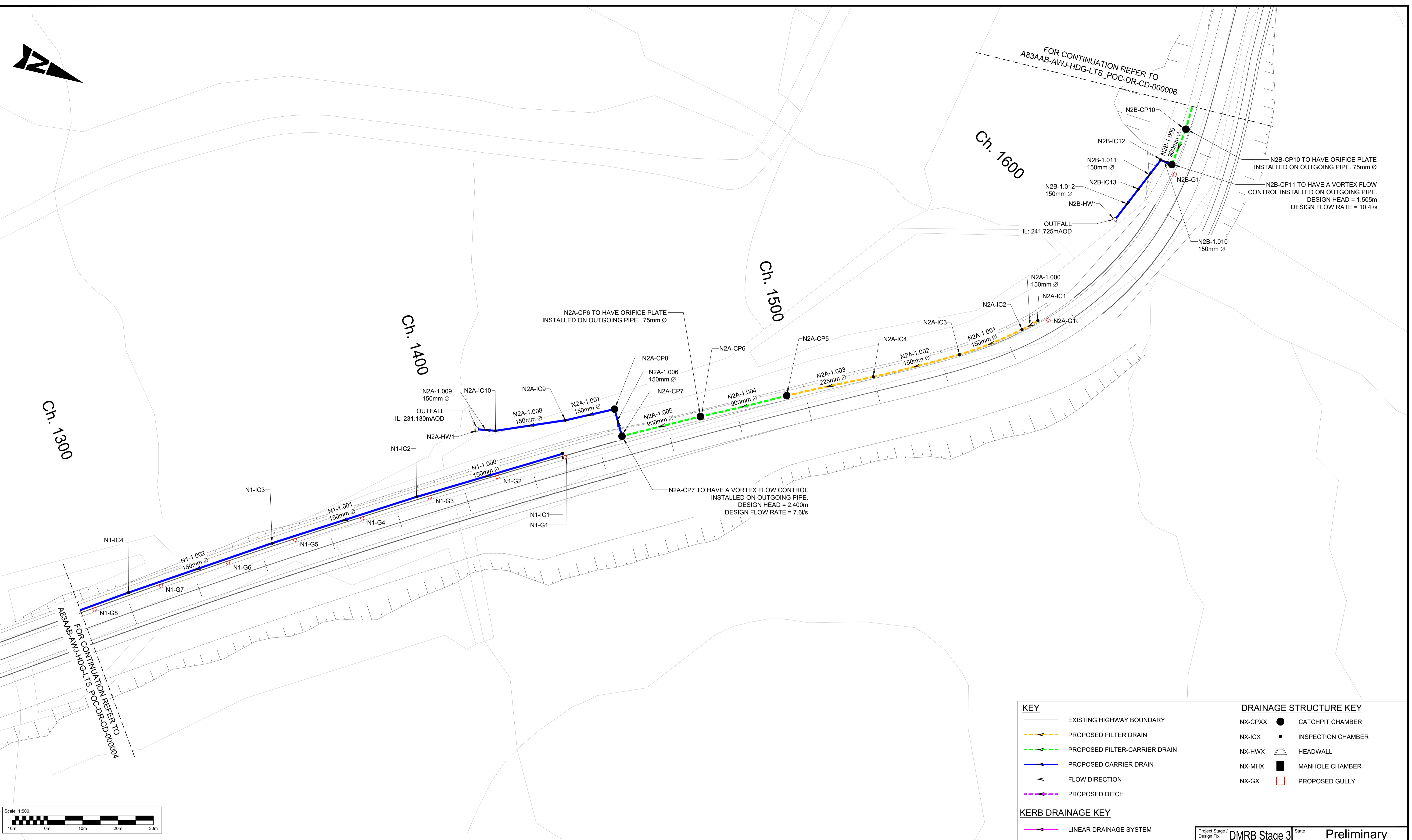
Client: **TRANSPORT SCOTLAND**
COMHDHAIL ALBA

Project Stage / Design File: DMRB Stage 3	State: Preliminary
Project Title: A83 Rest and Be Thankful	Drawing Title: LONG TERM SOLUTION PREFERRED OPTION PROPOSED DRAINAGE LAYOUT SHEET 2 OF 10
Drawing Number: A83AAB - AWJ - HDG - LTS_POC - DR-CD-000002	Originator: AWJ
Location: A83AAB - AWJ - HDG - LTS_POC - DR-CD-000002	Volume: DR-CD-000002
Original Size: A1	Scale: 1:500
Project Ref. No.: 6204594	Sheet: 2 of 10
Rev: C01	

DO NOT SCALE

Millimetres

0 10 100



Ch. 1300

Ch. 1400

Ch. 1500

Ch. 1600

FOR CONTINUATION REFER TO
A83AAB-AWJ-HDG-LTS_POC-DR-CD-000006

FOR CONTINUATION REFER TO
A83AAB-AWJ-HDG-LTS_POC-DR-CD-000004

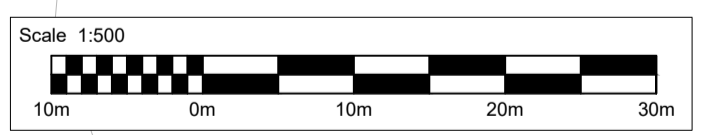
N2B-CP10 TO HAVE ORIFICE PLATE
INSTALLED ON OUTGOING PIPE. 75mm Ø

N2B-CP11 TO HAVE A VORTEX FLOW
CONTROL INSTALLED ON OUTGOING PIPE.
DESIGN HEAD = 1.505m
DESIGN FLOW RATE = 10.4l/s

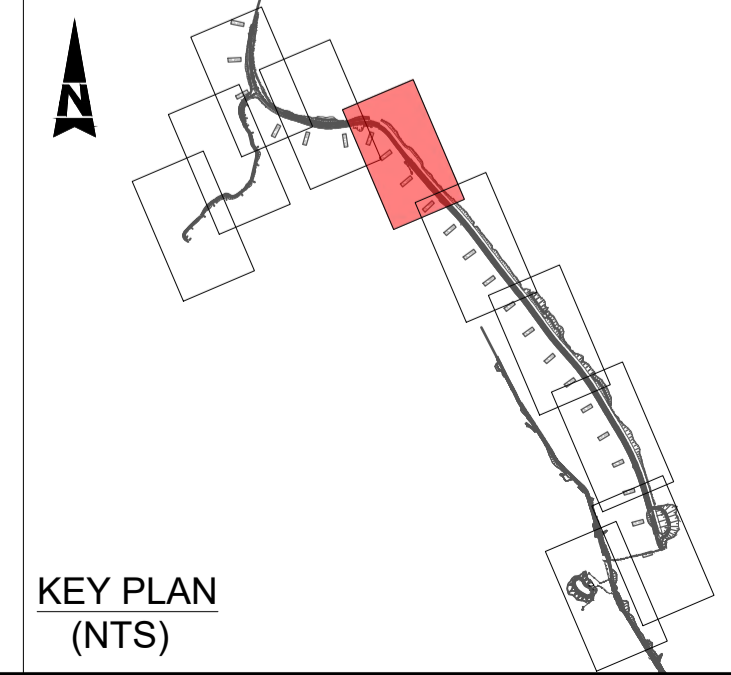
N2A-CP6 TO HAVE ORIFICE PLATE
INSTALLED ON OUTGOING PIPE. 75mm Ø

N2A-CP7 TO HAVE A VORTEX FLOW CONTROL
INSTALLED ON OUTGOING PIPE.
DESIGN HEAD = 2.400m
DESIGN FLOW RATE = 7.6l/s

KEY		DRAINAGE STRUCTURE KEY	
	EXISTING HIGHWAY BOUNDARY		CATCHPIT CHAMBER
	PROPOSED FILTER DRAIN		INSPECTION CHAMBER
	PROPOSED FILTER-CARRIER DRAIN		HEADWALL
	PROPOSED CARRIER DRAIN		MANHOLE CHAMBER
	FLOW DIRECTION		PROPOSED GULLY
	PROPOSED DITCH		
KERB DRAINAGE KEY			
	LINEAR DRAINAGE SYSTEM		



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Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
	A3	C01	MB	GL	PG	RHG	08/11/24

Status: A3

Drawing Suitability: **AUTHORISED & ACCEPTED-STAGE 3**

Client: **TRANSPORT SCOTLAND**
COMHDHAIL ALBA

Project Stage / Design File: **DMRB Stage 3** State: **Preliminary**

Project Title: **A83 Rest and Be Thankful**

Drawing Title: **LONG TERM SOLUTION PREFERRED OPTION PROPOSED DRAINAGE LAYOUT SHEET 5 OF 10**

Drawing Number: **A83AAB - AWJ - HDG - LTS_POC - DR-CD-000005**

Originator: **AWJ** Volume: **HDG**

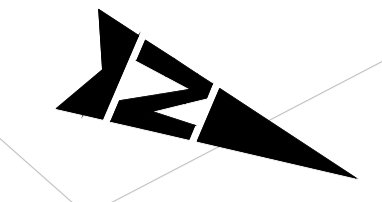
Location: **LTS_POC - DR-CD-000005**

Original Size: **A1** Scale: 1:500 Project Ref. No.: 6204594 Sheet: 5 of 10 Rev: C01

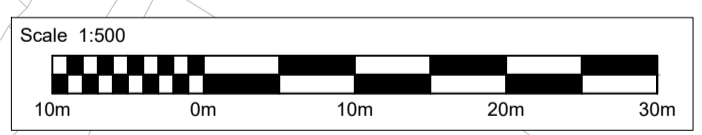
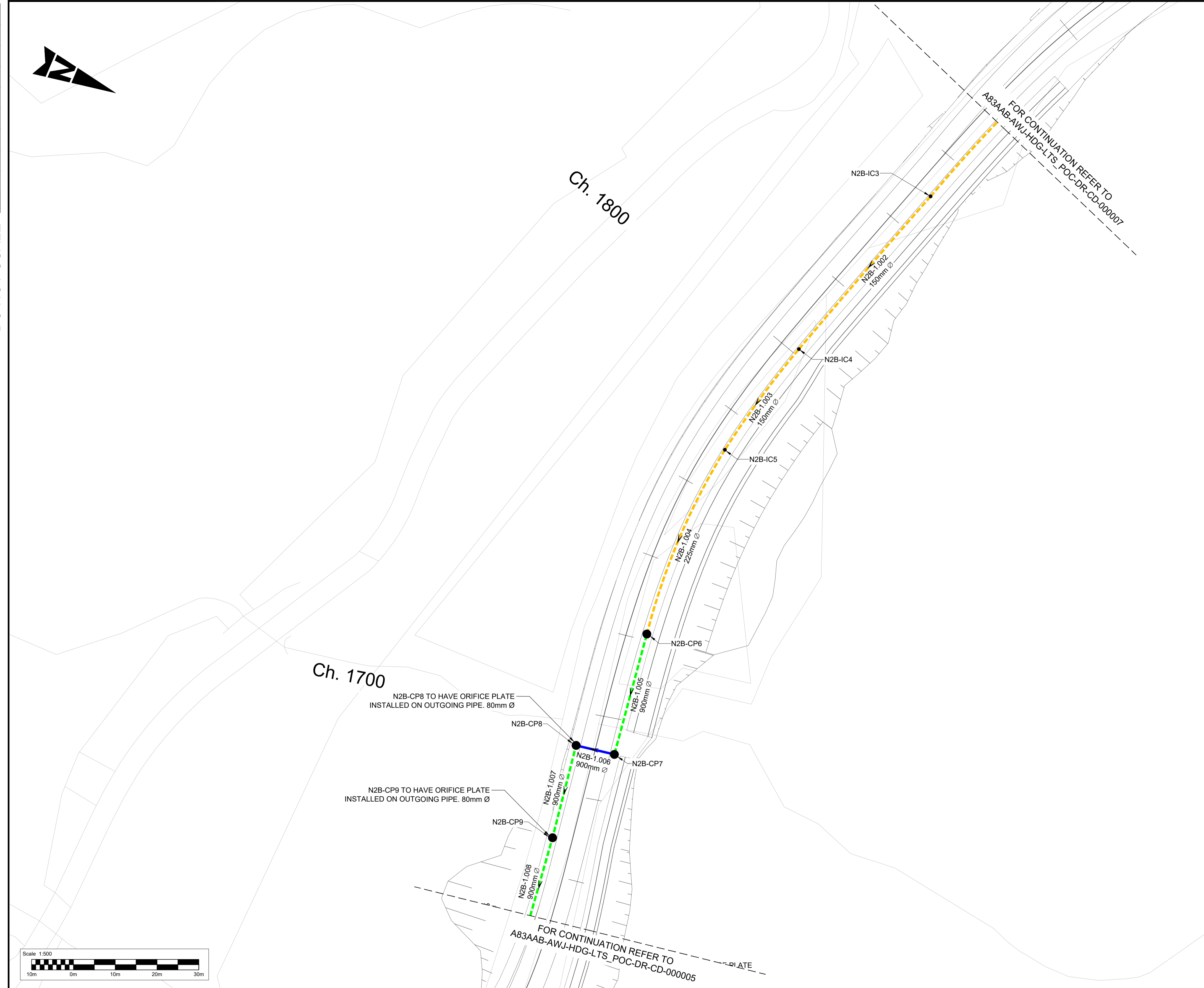
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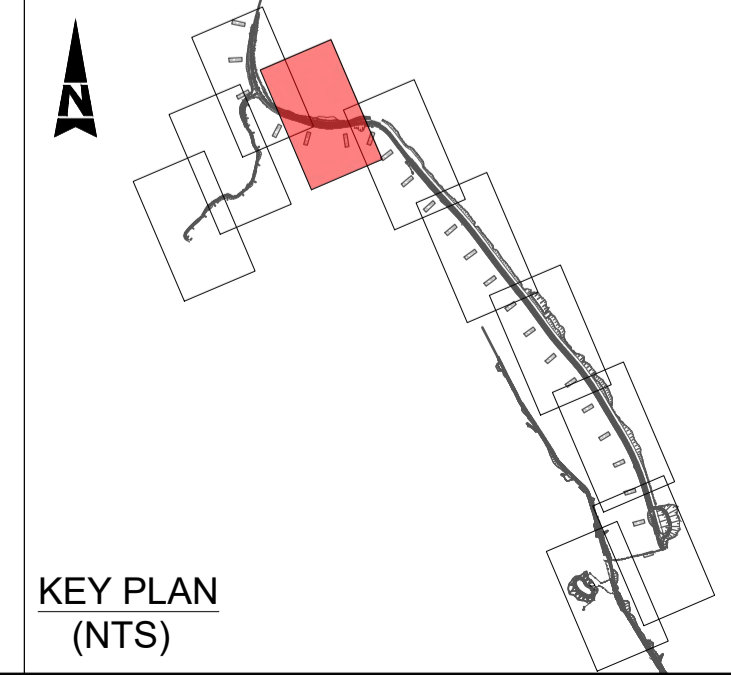
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KEY		DRAINAGE STRUCTURE KEY	
	EXISTING HIGHWAY BOUNDARY	NX-CPXX	CATCHPIT CHAMBER
	PROPOSED FILTER DRAIN	NX-ICX	INSPECTION CHAMBER
	PROPOSED FILTER-CARRIER DRAIN	NX-HWX	HEADWALL
	PROPOSED CARRIER DRAIN	NX-MHX	MANHOLE CHAMBER
	FLOW DIRECTION	NX-GX	PROPOSED GULLY
	PROPOSED DITCH		
KERB DRAINAGE KEY			
	LINEAR DRAINAGE SYSTEM		



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Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 3 Report Issue	A3	C01	MB	GL	PG	RHG	08/11/24

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

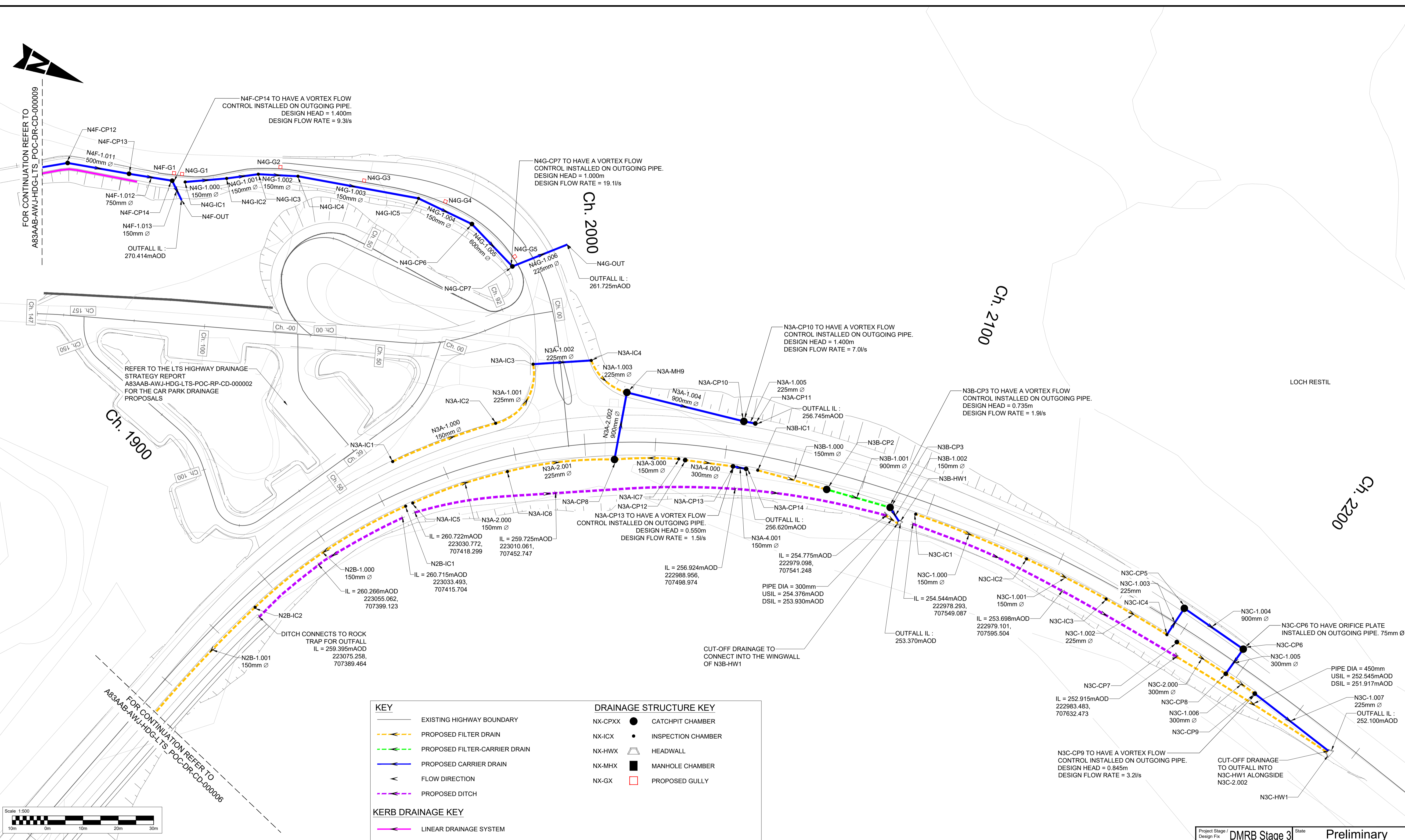
Client: **TRANSPORT SCOTLAND**
COMHDHAIL ALBA

Project Stage / Design File:	DMRB Stage 3	State:	Preliminary
Project Title:	A83 Rest and Be Thankful		
Drawing Title:	LONG TERM SOLUTION PREFERRED OPTION PROPOSED DRAINAGE LAYOUT SHEET 6 OF 10		
Drawing Number:	A83AAB - AWJ - HDG - LTS_POC - DR-CD-000006	Originator:	
Project:		Volume:	
Location:		Type:	
Original Size:	A1	Scale:	1:500
Project Ref. No.:	g204594	Sheet:	6 of 10
Rev.:	C01		

DO NOT SCALE

Millimetres

0 10 100



FOR CONTINUATION REFER TO A83AAB-AWJ-HDG-LTS_POC-DR-CD-000009

FOR CONTINUATION REFER TO A83AAB-AWJ-HDG-LTS_POC-DR-CD-000002 FOR THE CAR PARK DRAINAGE PROPOSALS

FOR CONTINUATION REFER TO A83AAB-AWJ-HDG-LTS_POC-DR-CD-000006

KEY

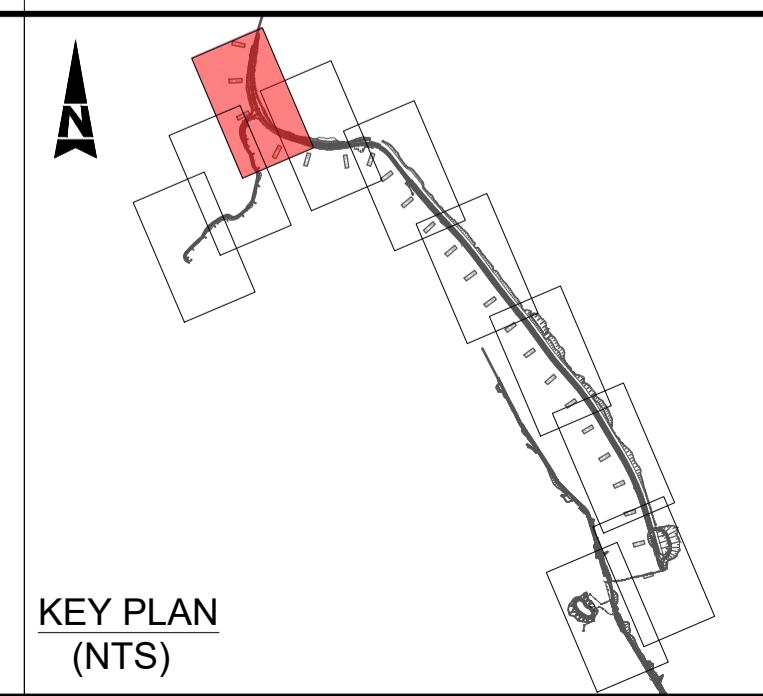
- EXISTING HIGHWAY BOUNDARY
- PROPOSED FILTER DRAIN
- PROPOSED FILTER-CARRIER DRAIN
- PROPOSED CARRIER DRAIN
- FLOW DIRECTION
- PROPOSED DITCH

KERB DRAINAGE KEY

- LINEAR DRAINAGE SYSTEM

DRAINAGE STRUCTURE KEY

- NX-CPXX CATCHPIT CHAMBER
- NX-ICX INSPECTION CHAMBER
- NX-HWX HEADWALL
- NX-MHX MANHOLE CHAMBER
- NX-GX PROPOSED GULLY



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Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 3 Report Issue	S5	P01	MB	GL	PG	RHG	08/11/24
Revised following review of the CPO / Orders	A3	CO1	MB	GL	PG	RHG	19/11/24

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

Project Stage / Design File: **DMRB Stage 3** State: **Preliminary**

Project Title: **A83 Rest and Be Thankful**

Drawing Title: **LONG TERM SOLUTION PREFERRED OPTION PROPOSED DRAINAGE LAYOUT SHEET 7 OF 10**

Drawing Number: **A83AAB - AWJ - HDG - LTS_POC - DR-CD-000007**

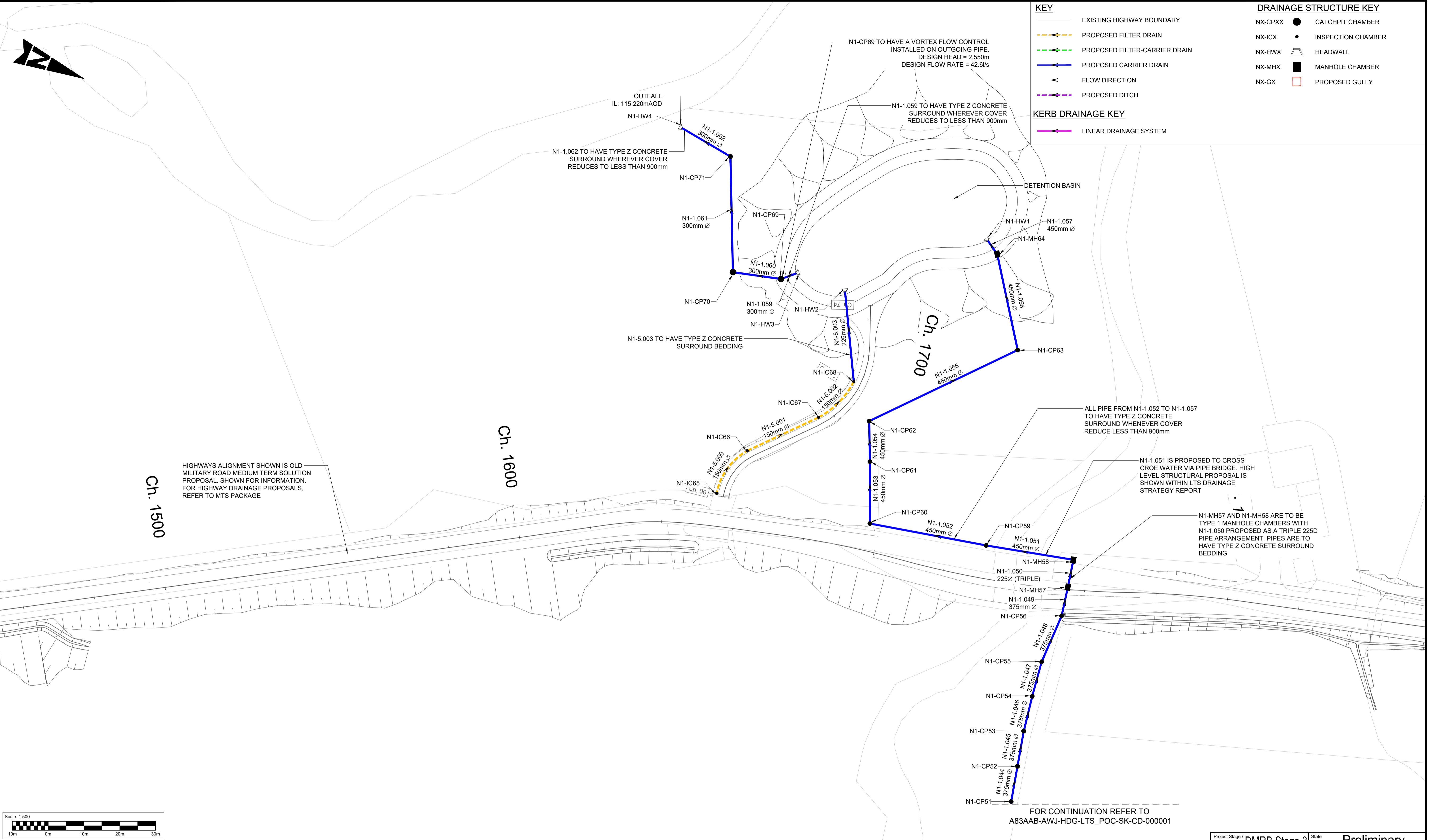
Originator: **TRANSPORT SCOTLAND**

Original Size: **A1** Scale: 1:500 Project Ref. No.: 6204594 Sheet: 7 of 10 Rev: C01

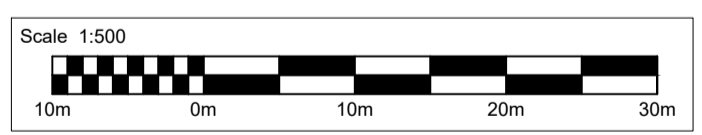
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Millimetres

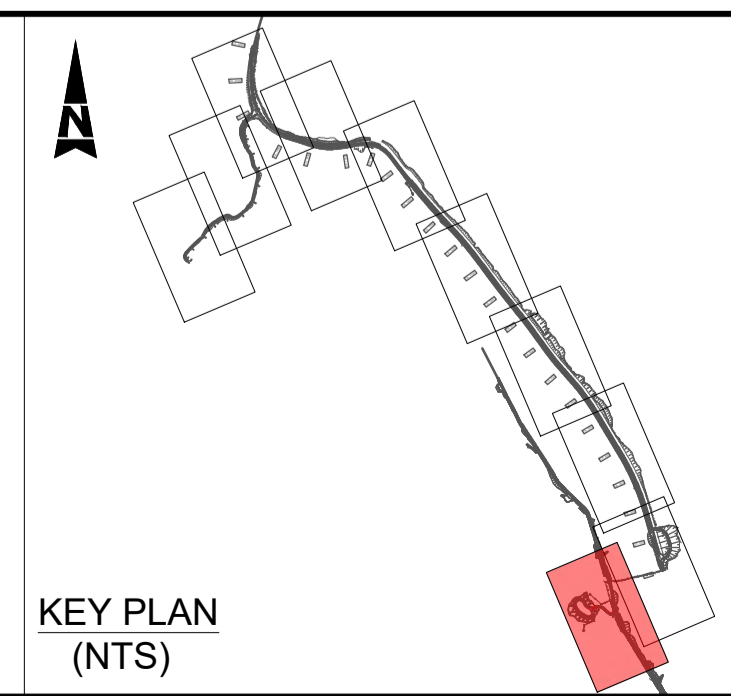
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HIGHWAYS ALIGNMENT SHOWN IS OLD MILITARY ROAD MEDIUM TERM SOLUTION PROPOSAL. SHOWN FOR INFORMATION. FOR HIGHWAY DRAINAGE PROPOSALS, REFER TO MTS PACKAGE



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Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 3 Report Issue	S5	P01	MB	GL	PG	RHG	08/11/24
Revised following review of the CPO / Orders	A3	C01	MB	GL	PG	RHG	19/11/24

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

AtkinsRéalis **WSP**

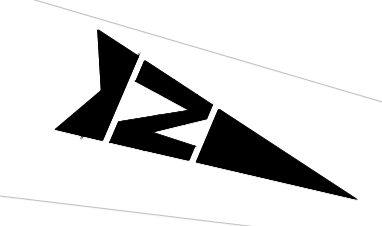
Client: **TRANSPORT SCOTLAND** COMHDHAIL ALBA

Project Stage / Design File: DMRB Stage 3	State: Preliminary
Project Title: A83 Rest and Be Thankful	
Drawing Title: LONG TERM SOLUTION PREFERRED OPTION PROPOSED DRAINAGE LAYOUT SHEET 8 OF 10	
Drawing Number: A83AAB - AWJ - HDG - LTS_POC - DR-CD-000008	Originator: AWJ
Location: LTS_POC	Volume: DR-CD-000008
Original Size: A1	Scale: 1:500
Project Ref. No.: 6204594	Sheet: 8 of 10
Rev: C01	

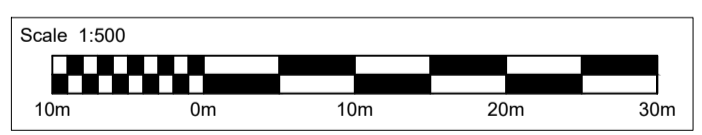
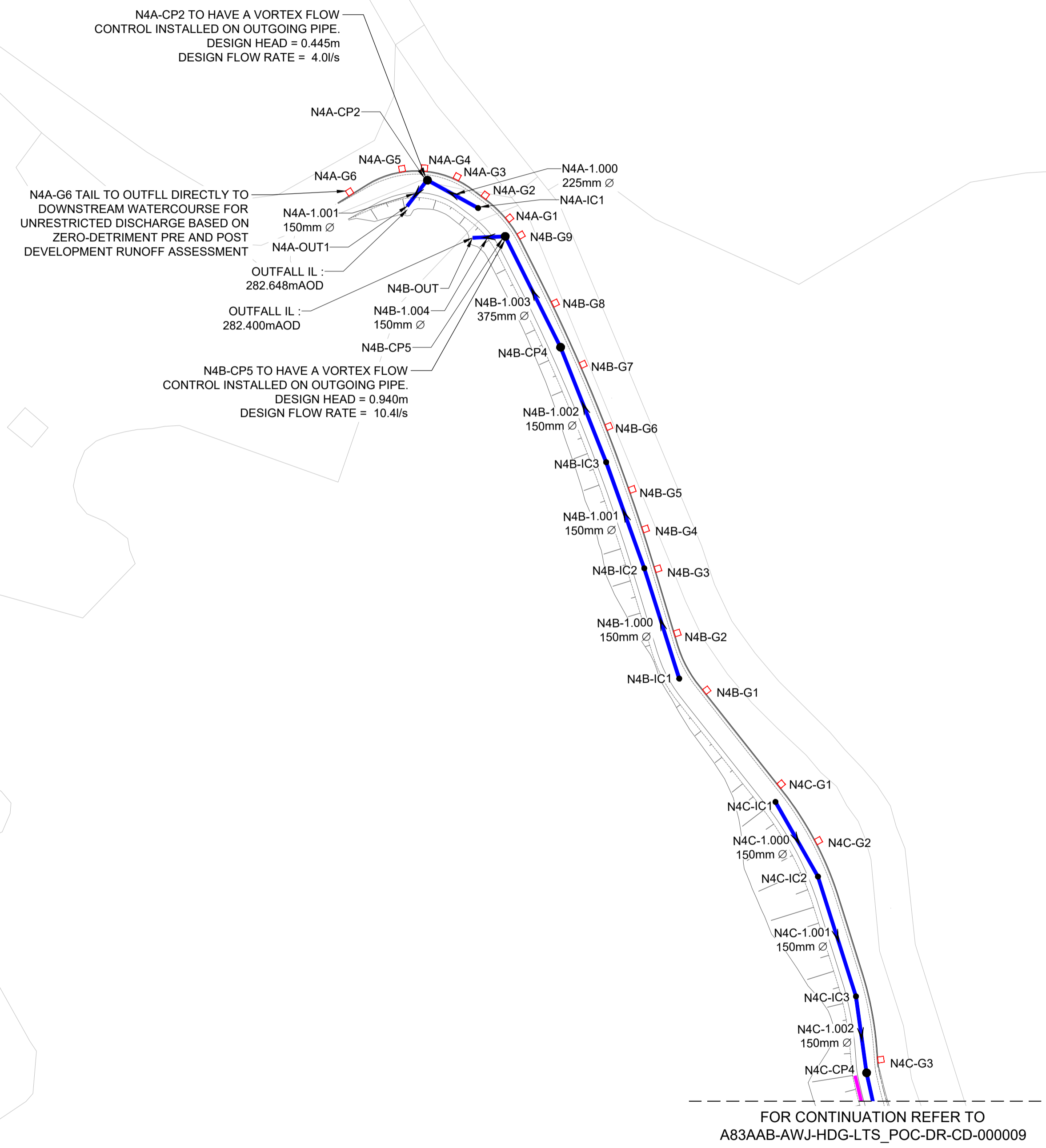
DO NOT SCALE

Millimetres

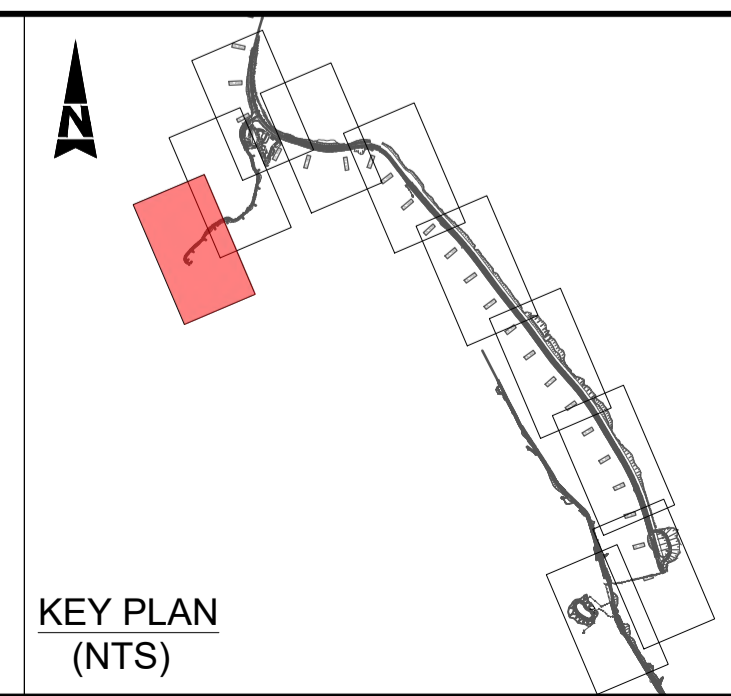
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KEY		DRAINAGE STRUCTURE KEY	
	EXISTING HIGHWAY BOUNDARY		CATCHPIT CHAMBER
	PROPOSED FILTER DRAIN		INSPECTION CHAMBER
	PROPOSED FILTER-CARRIER DRAIN		HEADWALL
	PROPOSED CARRIER DRAIN		MANHOLE CHAMBER
	FLOW DIRECTION		PROPOSED GULLY
	PROPOSED DITCH		
KERB DRAINAGE KEY			
	LINEAR DRAINAGE SYSTEM		



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 - FOR BEDDING TYPE, FILTER DRAIN TO HAVE TYPE H AND CARRIER PIPE TO HAVE TYPE S AS SPECIFIED IN MCHW HIGHWAY CONSTRUCTION DETAILS SERIES F (UNLESS OTHERWISE STATED IN SCHEDULE).
 - EXISTING BT LINE NOT SHOWN FOR CLARITY. ASSUMED THAT THIS WILL BE REMOVED AND WONT CLASH WITH PROPOSED WORKS.
 - ANY FUTURE INVASIVE WORKS UNDERTAKEN BY A CONTRACTOR TO CONFIRM THE LOCATION OF UTILITIES SHOULD BE IN ACCORDANCE WITH HSG47 & PAS128. RESPONSIBILITY FOR CONFIRMING THE LOCATIONS AND PROTECTING UTILITIES ON SITE RESTS WITH THE CONTRACTOR, REGARDLESS OF ANY INFORMATION PROVIDED TO ASSIST IN THEIR LOCATION.



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Stage 3 Report Issue	A3	C01	MB	GL	PG	RHG	08/11/24

Status: A3

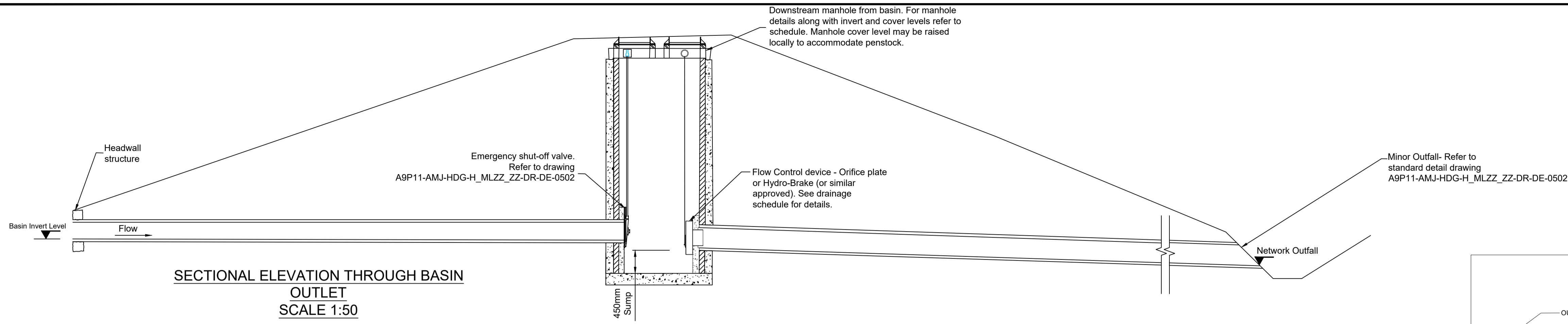
Drawing Suitability: **AUTHORISED & ACCEPTED-STAGE 3**

Client: **TRANSPORT SCOTLAND**
COMHDHAIL ALBA

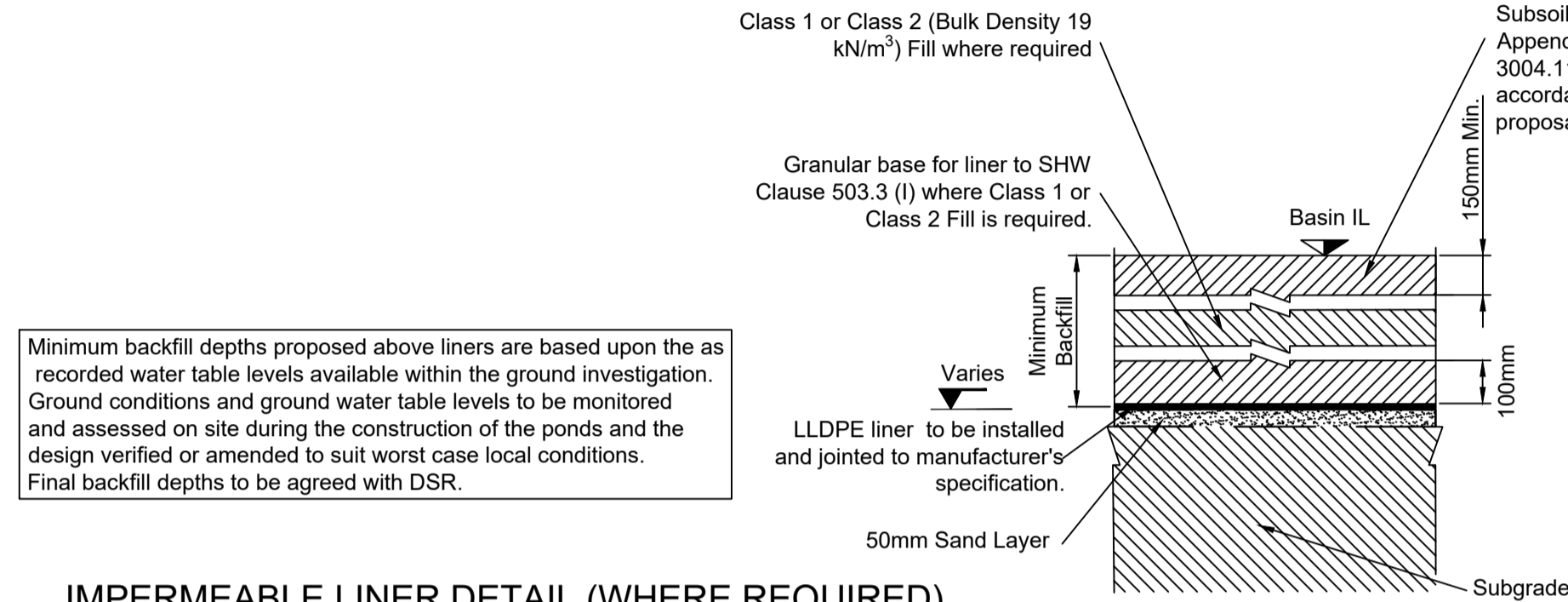
Project Stage / Design File: DMRB Stage 3	State: Preliminary
Project Title: A83 Rest and Be Thankful	
Drawing Title: LONG TERM SOLUTION PREFERRED OPTION PROPOSED DRAINAGE LAYOUT SHEET 10 OF 10	
Drawing Number: A83AAB - AWJ - HDG - LTS_POC - DR-CD-000010	Originator: [Blank] Volume: [Blank]
Location: [Blank]	Type: [Blank] Role: [Blank] Number: [Blank]
Original Size: A1	Scale: 1:500 Project Ref. No.: 6204594 Sheet: 10 of 10 Rev: C01

DO NOT SCALE

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0 10
Millimetres



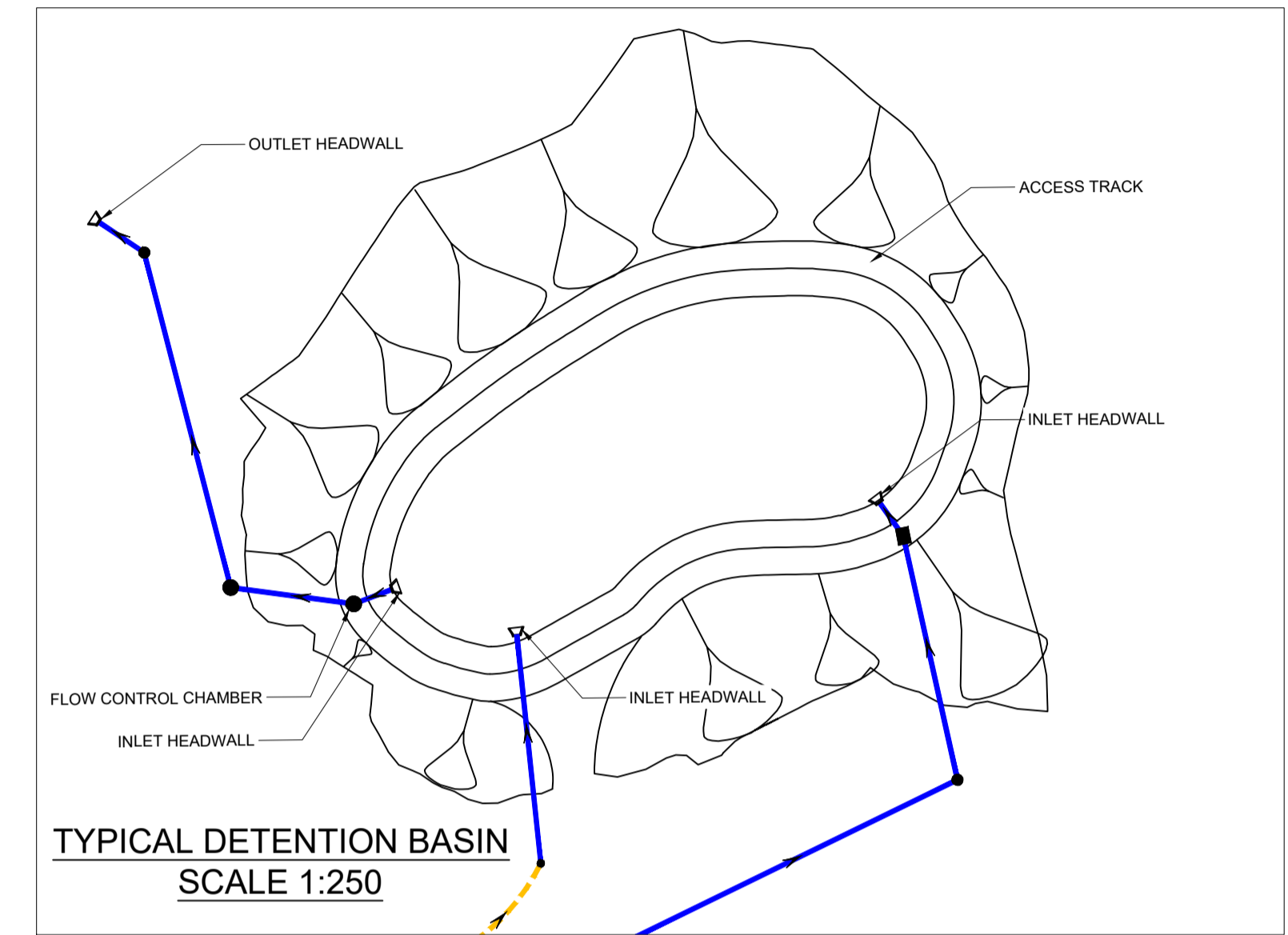
SECTIONAL ELEVATION THROUGH BASIN OUTLET
SCALE 1:50



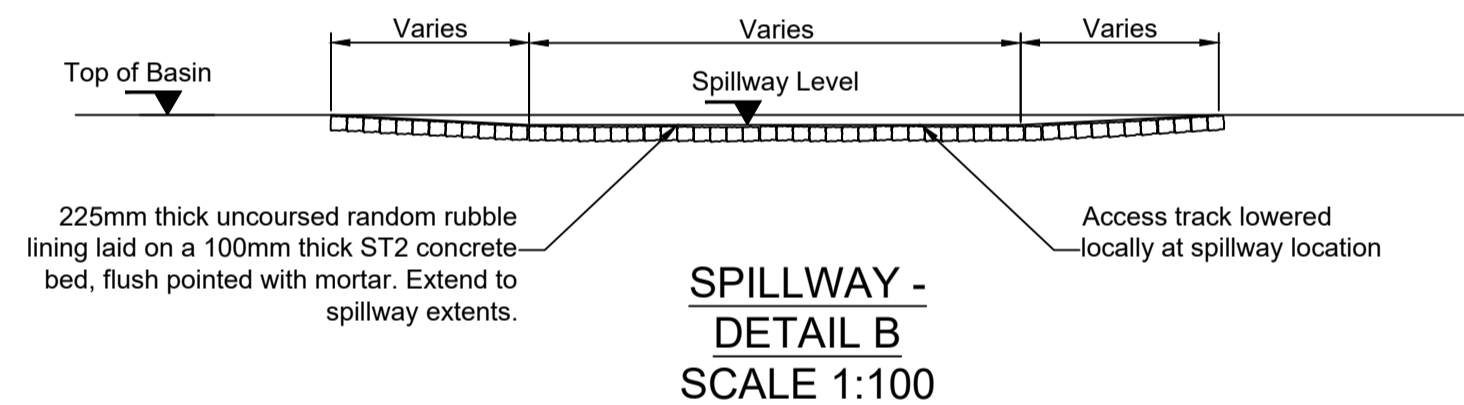
IMPERMEABLE LINER DETAIL (WHERE REQUIRED)
SCALE 1:10

Detention Basin Notes:

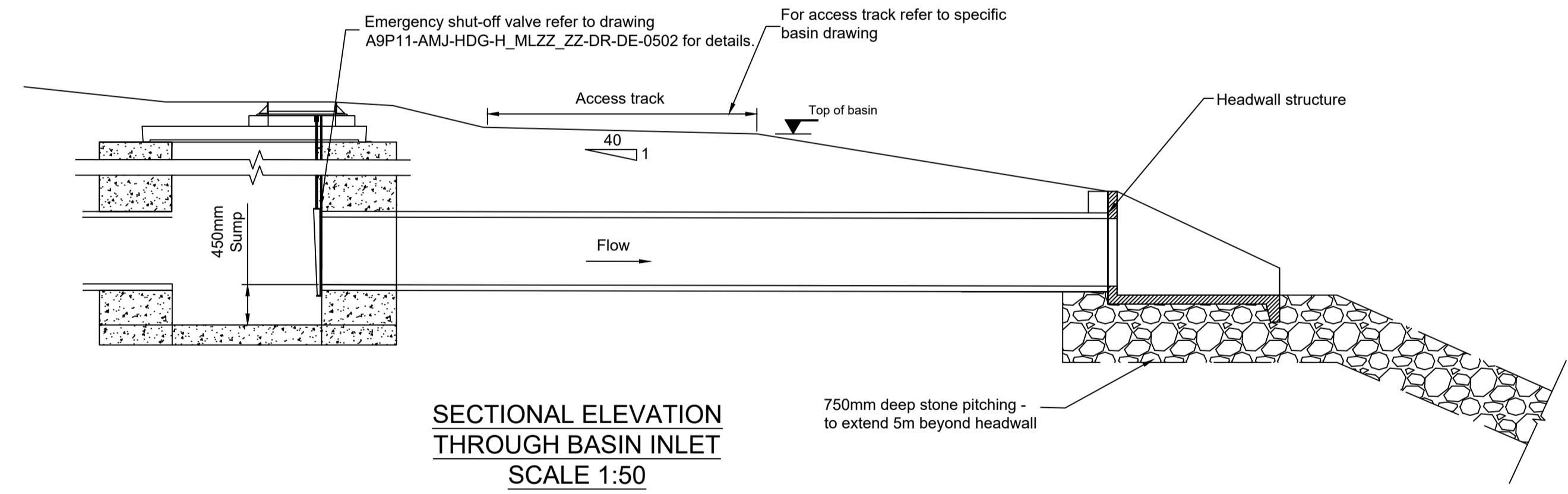
- Final shaping of the SuDS detention basins on-site shall be undertaken in consultation with the Designer's Landscape Architect.
- The SuDS detention basins shall be constructed to:
 - avoid abrupt changes in slope, sharp angles and steep side slopes;
 - include grading out of the outer slopes to varied slope angles to tie in with the surrounding landform;
 - be constructed with gradients of the inner slopes varied along their length to reflect the naturally occurring topography of the immediate surroundings;
 - have bank slopes no greater than 1:3 at any point and shallower where possible with varied microtopography and avoiding straight batters;
 - include the localised compression and loosening of the soil to allow a variety of different plant communities to establish.



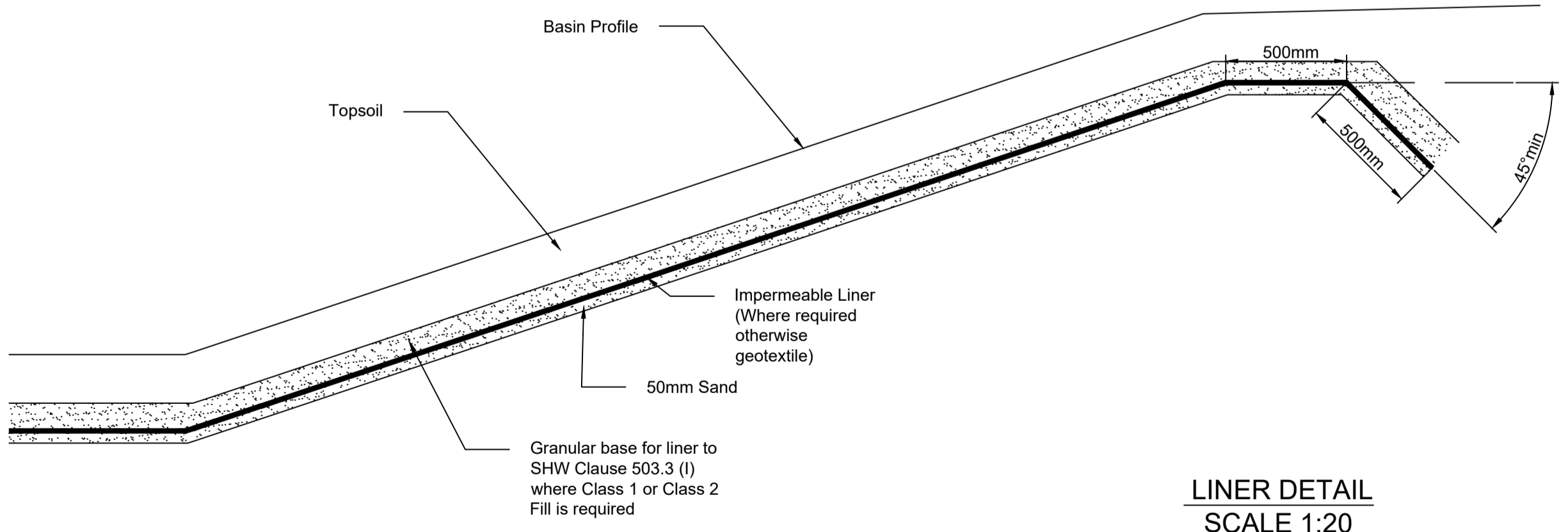
TYPICAL DETENTION BASIN
SCALE 1:250



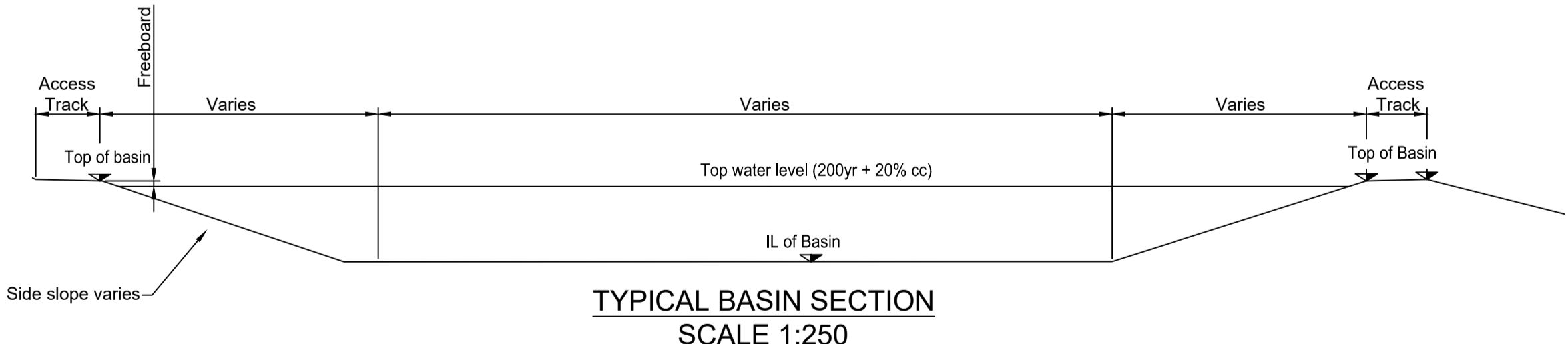
SPILLWAY - DETAIL B
SCALE 1:100



SECTIONAL ELEVATION THROUGH BASIN INLET
SCALE 1:50



LINER DETAIL
SCALE 1:20



TYPICAL BASIN SECTION
SCALE 1:250

NOTES:

- THIS DRAWING SHALL ONLY BE USED FOR THE DESIGN ELEMENT STATED IN THE DRAWING TITLE.
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED. THE PIPE DIAMETERS ARE IN MILLIMETRES. ONLY WRITTEN DIMENSIONS SHALL BE USED.
- ALL BASINS DESIGNED IN ACCORDANCE WITH CIRIA C753 THE SuDS MANUAL.
- ALL OUTFALLS TO COMPLY WITH HA107/04 (DESIGN OF OUTFALL AND CULVERT DETAILS REQUIREMENTS)
- REFER TO DRAINAGE SCHEDULE FOR PIPE/ CATCHPIT DETAILS

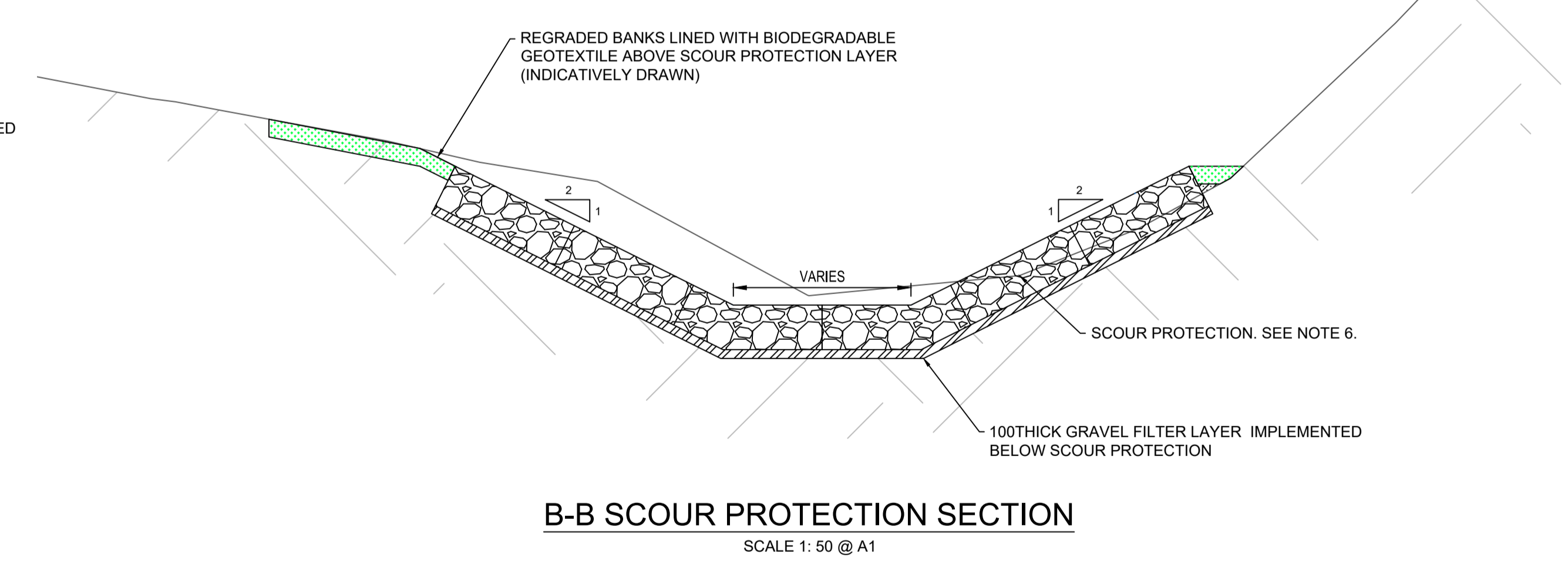
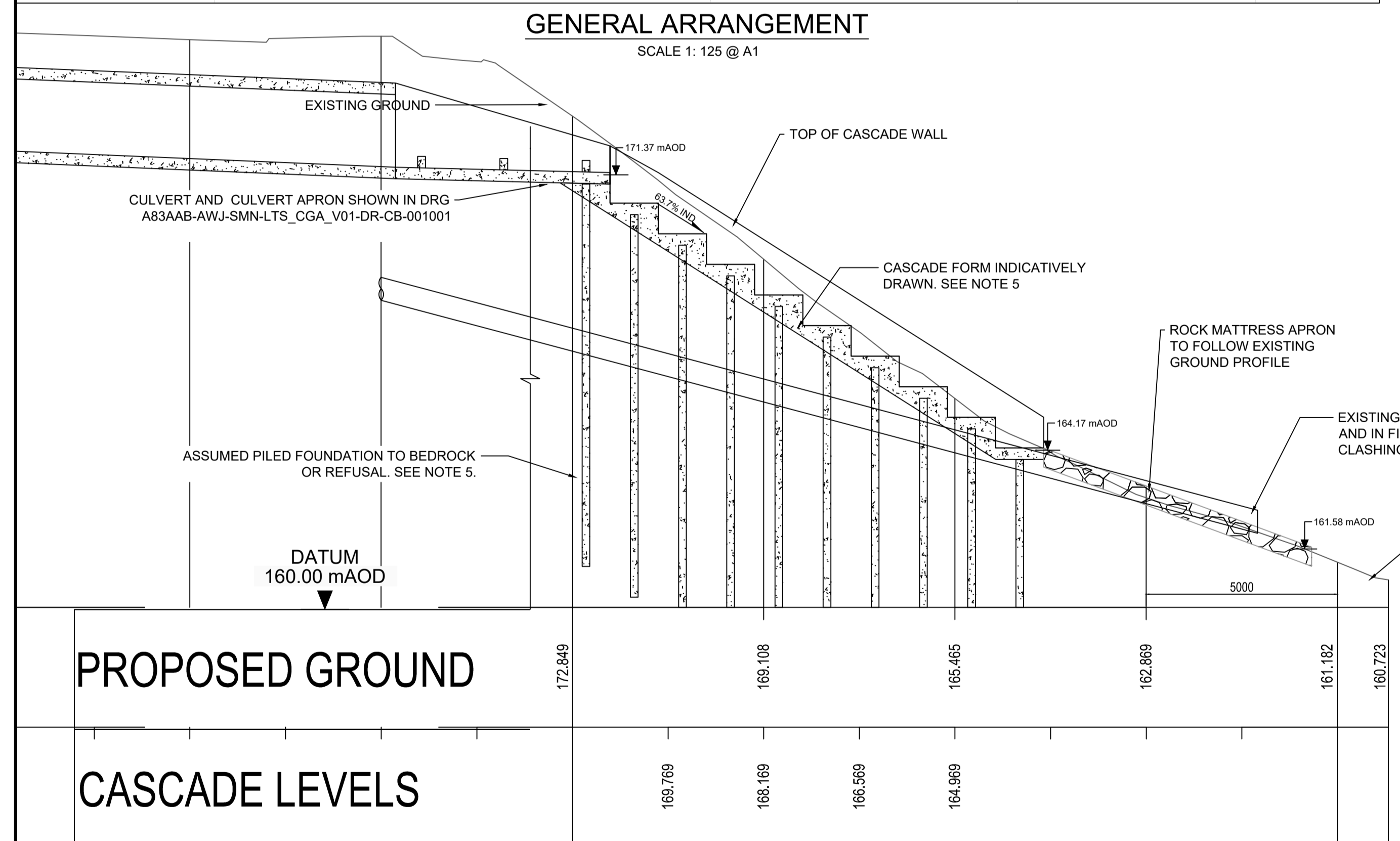
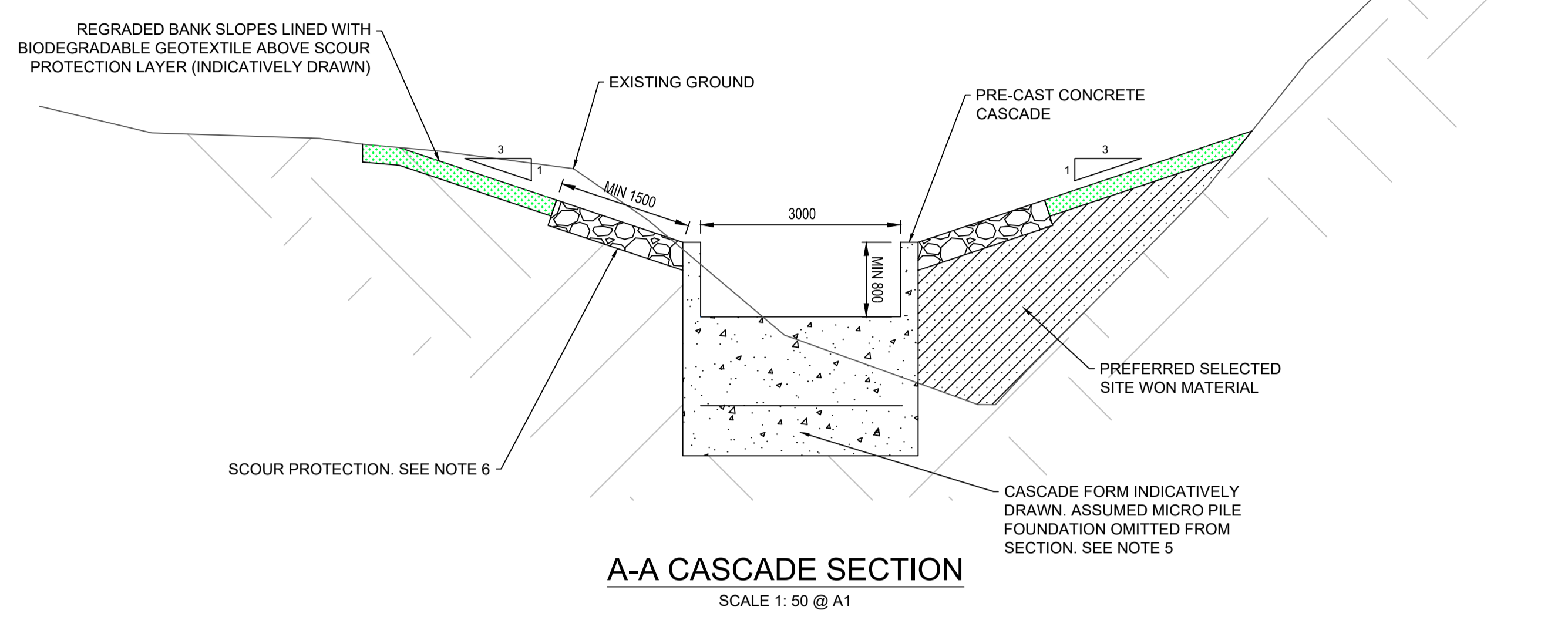
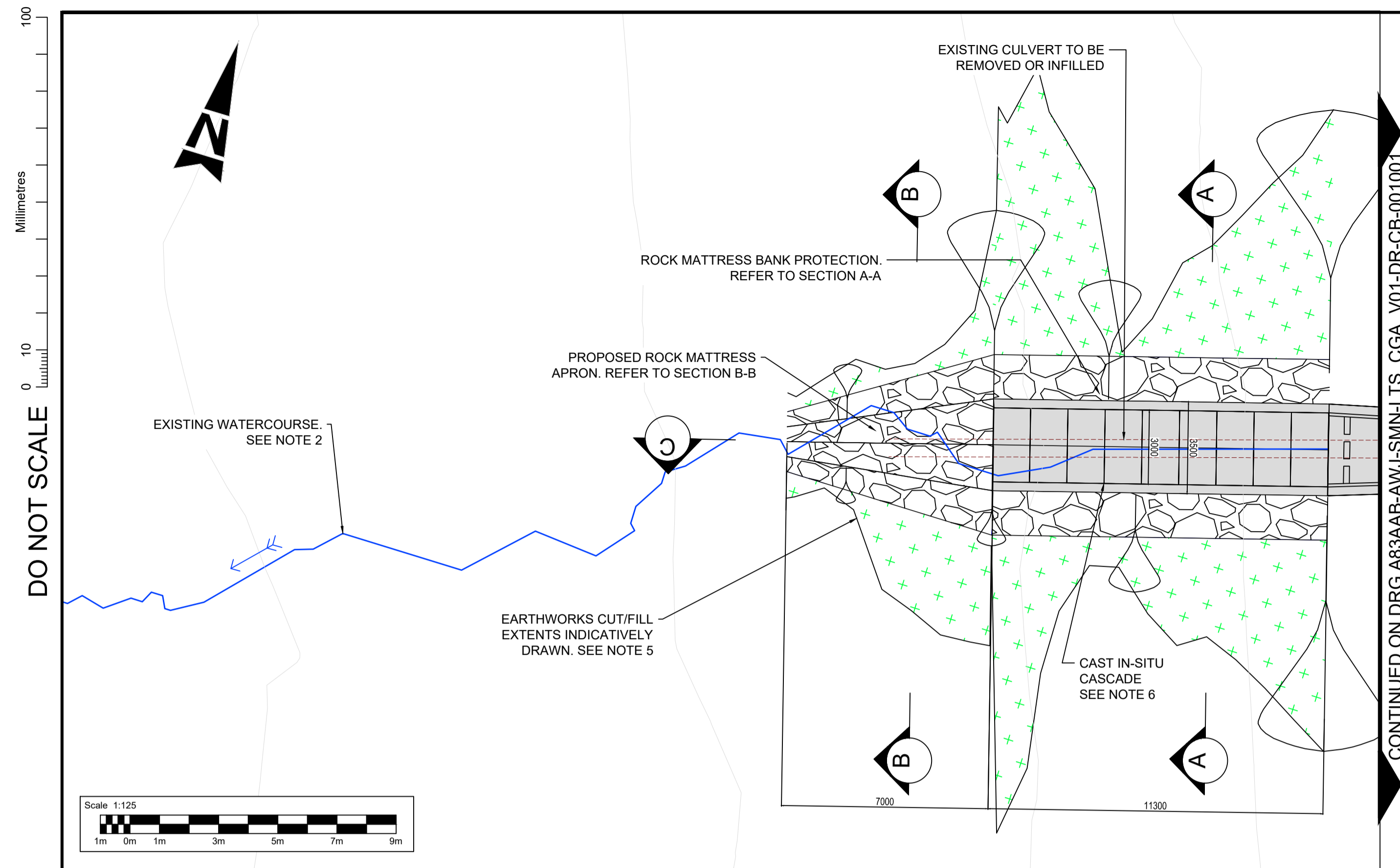
Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
	A3	C01	MB	GL	PG	RHG	08/11/24

Status	A3
Drawing Suitability	AUTHORISED & ACCEPTED-STAGE 3
Client	TRANSPORT SCOTLAND COMHDHAIL ALBA

AtkinsRéalis

TRANSPORT SCOTLAND
COMHDHAIL ALBA

Project Stage / Design Fix	DMRB Stage 3	State	Preliminary
Project Title	A83 Rest and Be Thankful		
Drawing Title	LONG TERM SOLUTION PREFERRED OPTION DETENTION BASIN TYPICAL DETAILS		
Drawing Number	A83AAB	Originator	AWJ - HDG -
Project	LTS_GEN	Volume	DE-CD-000101
Location		Type	
Original Size	A1	Scale	AS SHOWN
Project Ref. No.	6204594	Sheet	1 of 1
Rev.	C01		



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- NOTES**
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) AND ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM (mAO) UNLESS STATED OTHERWISE.
 - THE STAGE 3 DESIGN IS BASED ON LIDAR SURVEY DATA. WATERCOURSE ALIGNMENTS ARE THEREFORE INDICATIVE UNTIL TOPOGRAPHIC SURVEY IS AVAILABLE.
 - DIMENSIONS AND LEVELS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF THE WORKS.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWINGS A83AAB-AWJ-EWE-LTS_POC-DR-CD-000001 & A83AAB-AWJ-SMN-LTS_CGA_V01-DR-CB-001001
 - STRUCTURAL AND GEOTECHNICAL DESIGN ELEMENTS ARE INDICATIVE UNTIL GI IS AVAILABLE
 - CASCADE AND SCOUR MITIGATION DIMENSIONS ARE INDICATIVELY DRAWN BASED ON PRELIMINARY SIZING. DIMENSIONS MAY BE SUBJECT TO CHANGE FOLLOWING RECEIPT OF GI AND TOPOGRAPHIC SURVEY. FOR SITE SPECIFIC CASCADE SIZING REFERENCE SHOULD BE MADE TO THE STAGE 3 ENGINEERING ASSESSMENT REPORT, REF A83AAB-AWJ-GEN-LTS_GEN-RP-ZZ-000006
 - THE SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX HAS INTENTIONALLY BEEN LEFT BLANK. THIS SHOULD NOT BE INTERPRETED AS THE ABSENCE OF SIGNIFICANT RESIDUAL RISKS ASSOCIATED WITH THE PROPOSED WORKS. A DESIGN RISK ASSESSMENT SHALL BE PROVIDED AS PART OF THE SPECIMEN DESIGN SUBMISSION

KEY:

- CONCRETE (PLAN)
- PROPOSED EARTHWORK & VEGETATION REINSTATEMENT
- CONCRETE (SECTION)
- ROCK MATTRESS
- SCOUR FILTER LAYER
- EXISTING GROUND
- FILL
- EXISTING WATERCOURSE

ABBREVIATIONS

AOD	ABOVE ORDNANCE DATUM	IND	INDICATIVE
DFS	DEBRIS FLOW SHELTER	LTS	LONG TERM SOLUTION
DRG	DRAWING	m	METRE (DIMENSION)
GI	GROUND INVESTIGATION	mm	MILLIMETRE (DIMENSION)

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).

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Construction							
Maintenance / Cleaning							
Use							
Decommissioning / Demolition							

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DMRB Stage 3 Report	A3	C01	JM	JM	CS	CM	22/11/24

Project Stage / Design File	DMRB Stage 3	State	Preliminary
Project Title	A83 Rest and Be Thankful		
Drawing Title	LTS WATERCOURSE REALIGNMENTS TYPICAL ARRANGEMENTS & SECTIONS		
Drawing Number	A83AAB - AWJ - EWE - LTS_POC	Originator	Volume
Project	DR - CD - 100001		
Location		Type	Role / Number
Original Size	A1	Scale	AS SHOWN
Project Ref. No.	6204594	Sheet	1 of 1
Rev.	C01		

AtkinsRéalis WSP

TRANSPORT SCOTLAND
COMHDAIL ALBA

7. Geotechnical Drawings

A83AAB-AWJ-HGT-LTS_POC_M01-DR-GE-000007 – Plan and Profile – Sheet 1 of 2

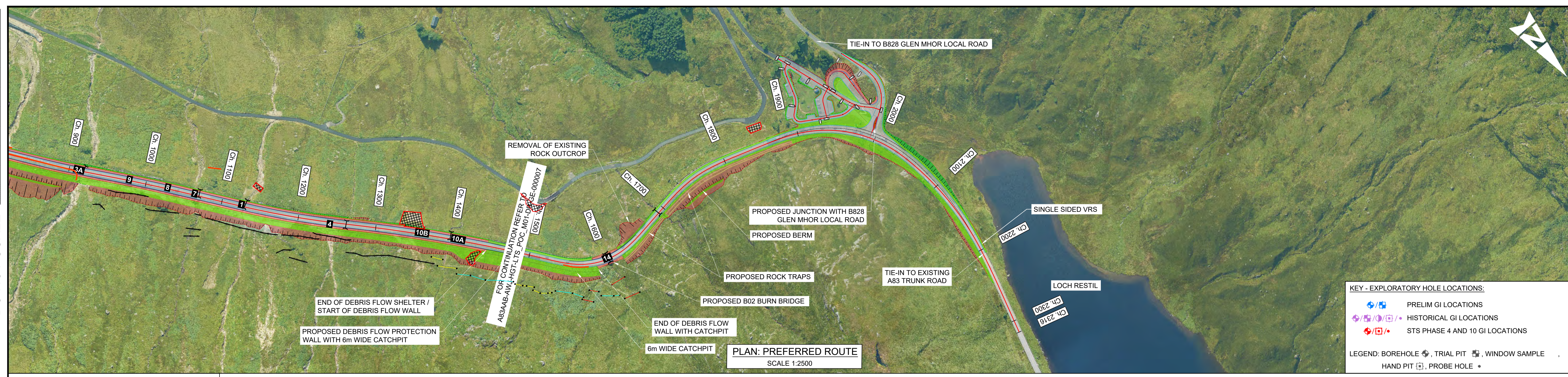
A83AAB-AWJ-HGT-LTS_POC_M01-DR-GE-000008 – Plan and Profile – Sheet 2 of 2

A83AAB-AWJ-HGT-LTS_POC_M01-DR-GE-000009 – Typical Earthworks Cross Sections

A83AAB-AWJ-HGT-LTS_POC_M01-DR-GE-000010 – Standard Earthworks Details

DO NOT SCALE

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0 10
Millimetres



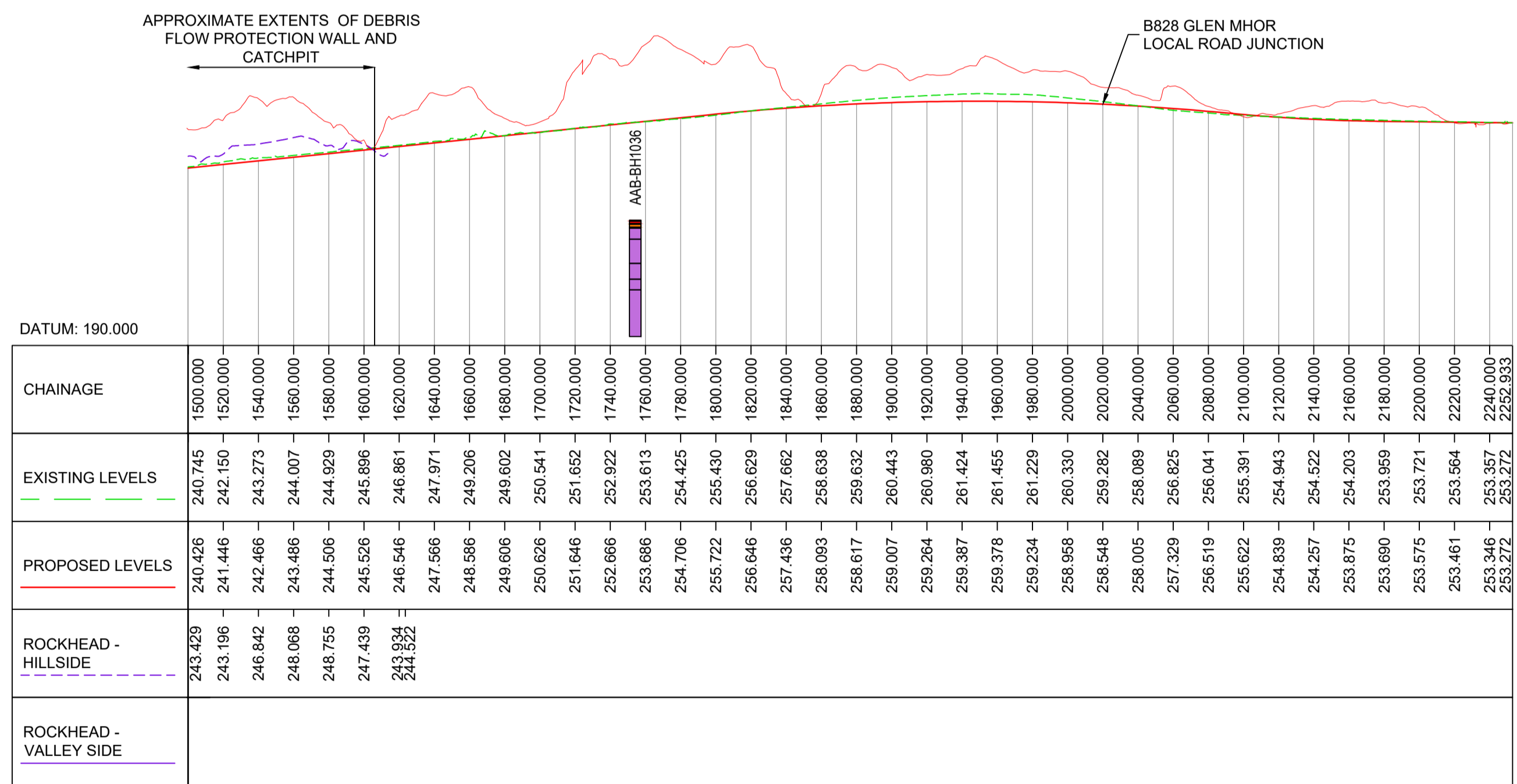
KEY - EXPLORATORY HOLE LOCATIONS:

- PRELIM GI LOCATIONS
- HISTORICAL GI LOCATIONS
- STS PHASE 4 AND 10 GI LOCATIONS

LEGEND: BOREHOLE, TRIAL PIT, WINDOW SAMPLE, HAND PIT, PROBE HOLE

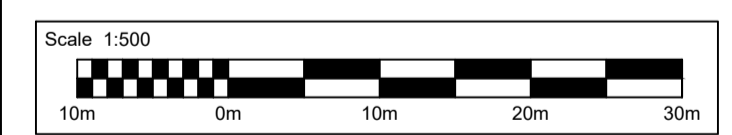
KEY - PROFILE:

- PROPOSED DESIGN PROFILE AT CENTRELINE OF CARRIAGEWAY
- EXISTING GROUND PROFILE
- CREST OF PROPOSED HILLSIDE CUTTING
- CONJECTURED VALLEY SIDE ROCKHEAD LEVEL
- CONJECTURED HILL SIDE ROCKHEAD LEVEL
- TOPSOIL
- MADE GROUND
- PEAT
- COLLUVIUM
- GLACIAL TILL
- WEATHERED ROCK
- COMPETENT ROCK



PROFILE: PREFERRED ROUTE
SCALE: H 1:500, V 1:250

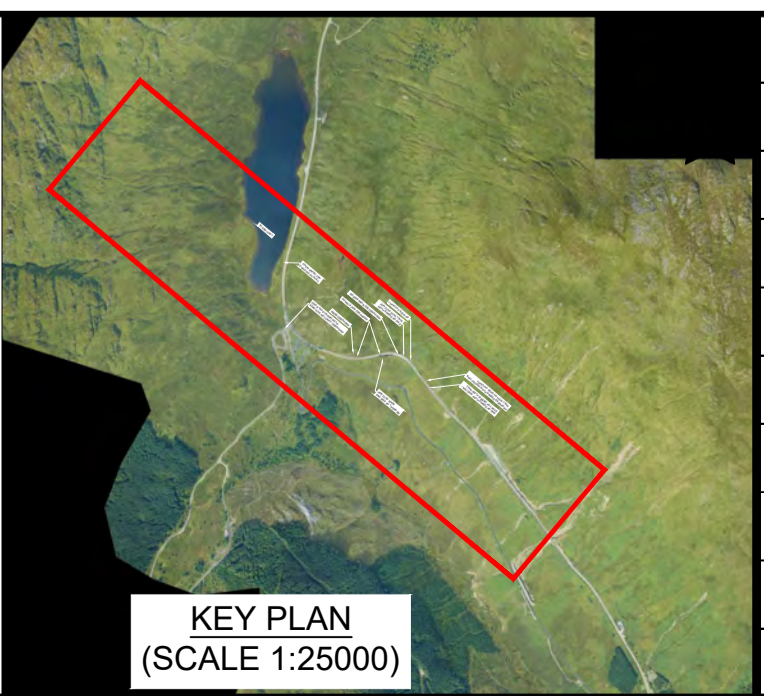
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NOTES:
1. ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.

KEY - PLAN

- PROPOSED ALIGNMENT
- PROPOSED CARRIAGEWAY
- PROPOSED VERGE
- PROPOSED FOOTWAY
- PROPOSED KERBS
- PROPOSED EARTHWORK EMBANKMENT
- PROPOSED EARTHWORK CUTTING
- PROPOSED ROCK TRAPS
- RETAINING WALL
- EXISTING CATCH FENCING
- CULVERTS/WATERCOURSE STRUCTURES
- AREA OF EXISTING STABILISATION MEASURES
- PHASE LOCATION
- PROPOSED DEBRIS FLOW BARRIER
- PROPOSED SHALLOW LANDSLIDE BARRIER
- PROPOSED ROCKFALL CATCH FENCE



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DMRB Stage 3	A3	C01	HB	GD	HR	RHG	08/11/24

Status: A3

Drawing Suitability: **AUTHORISED & ACCEPTED-STAGE 3**

AtkinsRéalis WSP

Client: **TRANSPORT SCOTLAND**
COMHDHAIL ALBA

Project Stage / Design File: DMRB Stage 3 | State: Preliminary

Project Title: **A83 Rest and Be Thankful**

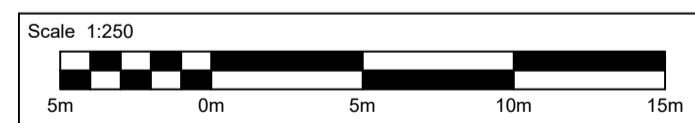
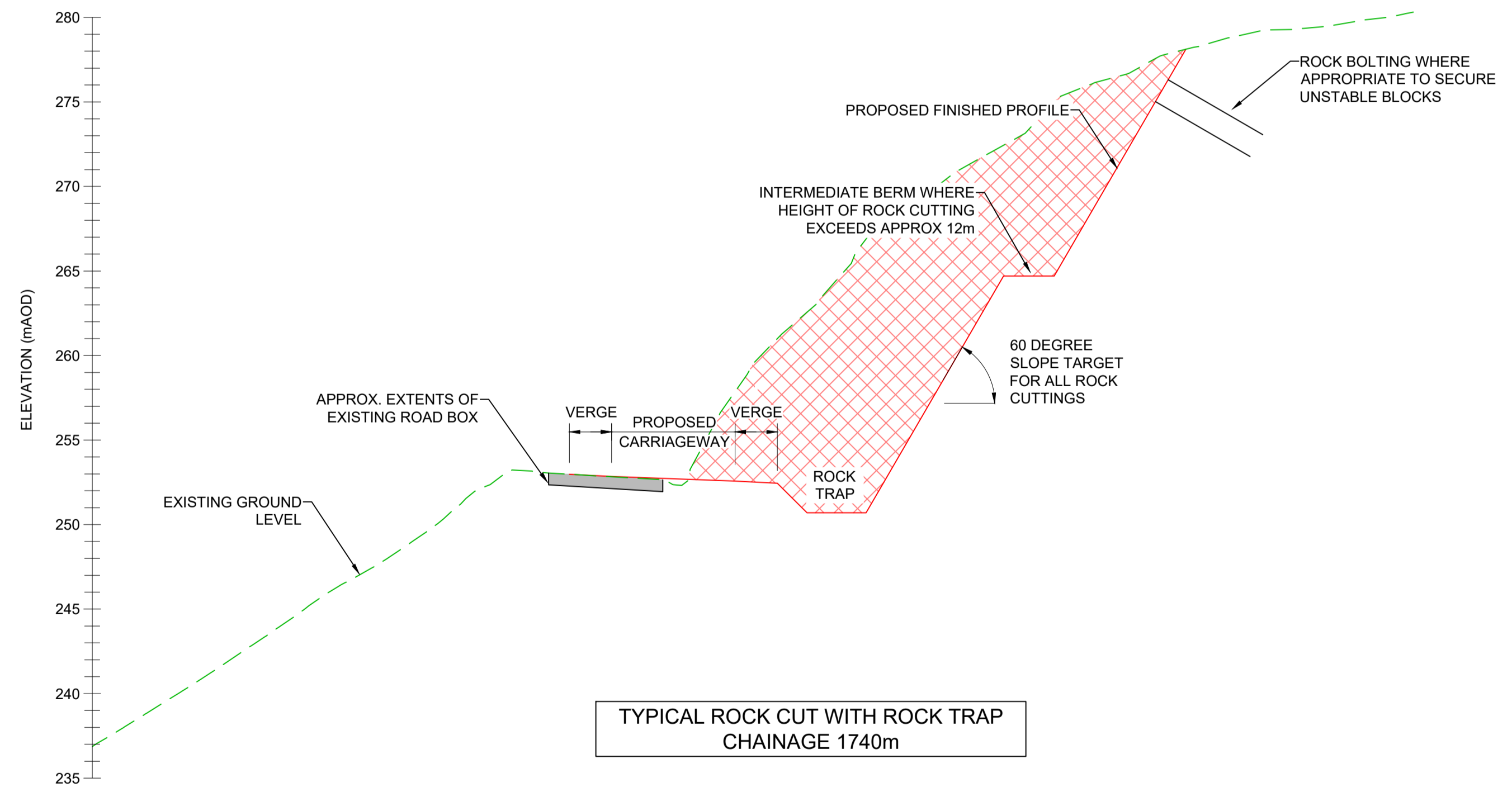
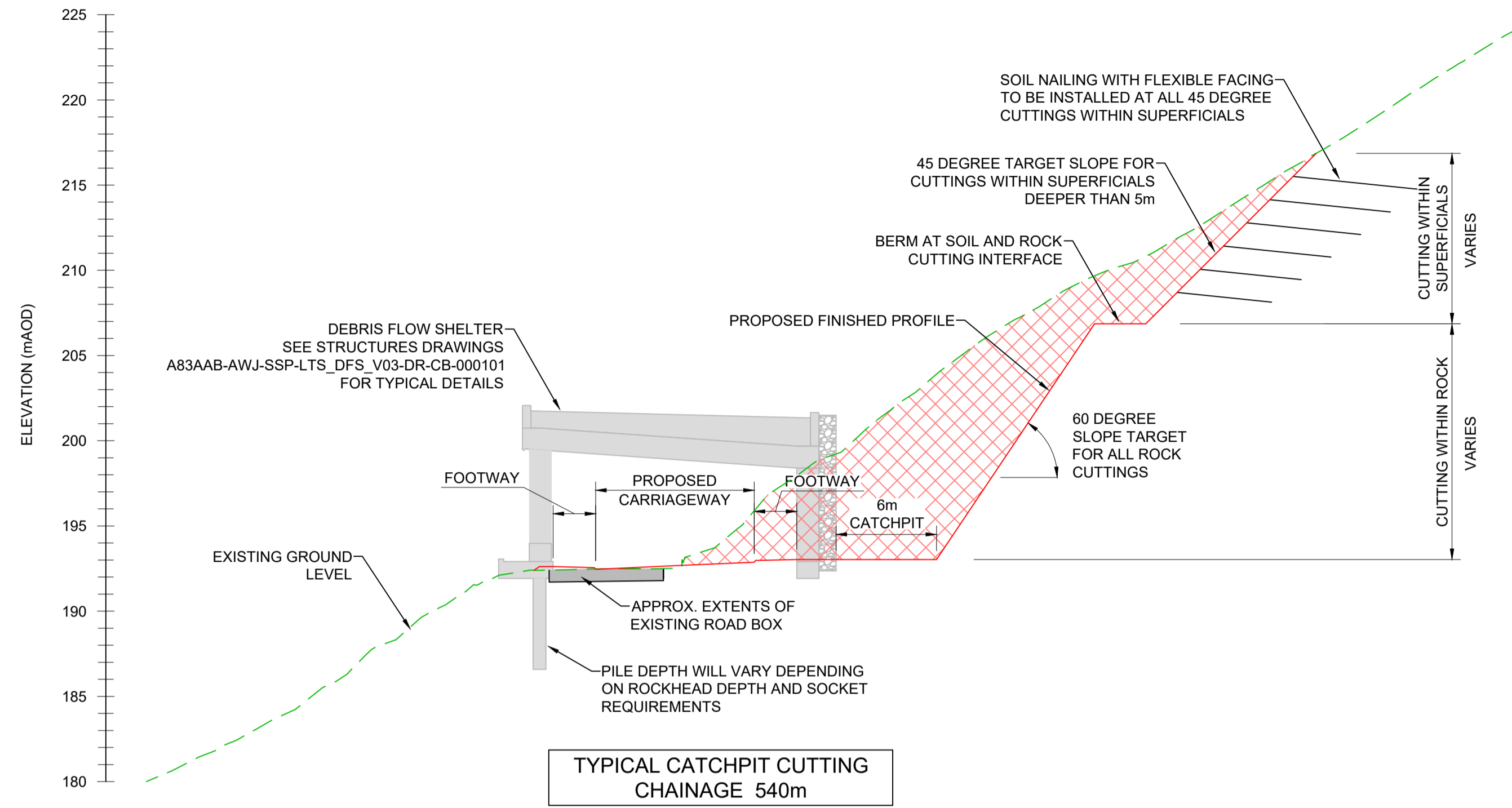
Drawing Title: **LTS DMRB STAGE 3 PLAN AND PROFILE SHEET 2 OF 2**

Drawing Number: A83AAB - AWJ - HGT - LTS_POC_M01 - DR-GE-000008

Original Size: A1 | Scale: 1:500 | Project Ref. No.: 6204594 | Sheet: 2 of 2 | Rev: C01

DO NOT SCALE

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Millimetres



- NOTES**
- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
 - FOR DETAILS OF DFS SEE STRUCTURES DRAWING A83AAB-AWJ-SSP-LTS_DFS_V03-DR-CB-000101
 - FOR DETAILS OF SOIL NAILS AND ROCK BOLTS SEE STANDARD EARTHWORK DETAILS DRAWING (A83AAB-AWJ-HGT-LTS_POC_MO1-DR-GE-000010)

- KEY:**
- PROPOSED DESIGN PROFILE
 - - - EXISTING GROUND PROFILE
 - XXXX CUT MATERIAL

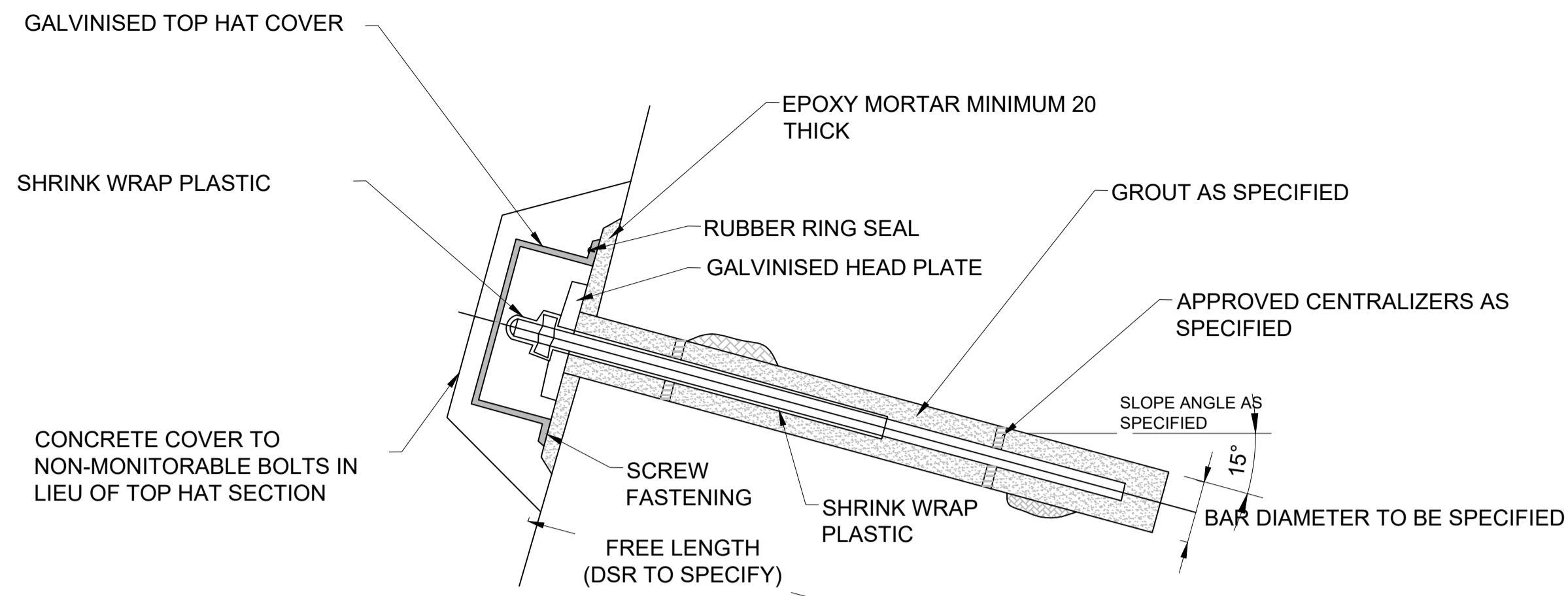
Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DMRB Stage 3	A3	C01	HB	GD	HR	RHG	08/11/24

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

Client: **TRANSPORT SCOTLAND COMHDHAIL ALBA**

Project Stage / Design File: DMRB Stage 3	State: Preliminary
Project Title: A83 Rest and Be Thankful	
Drawing Title: LTS DRMB STAGE 3 - TYPICAL EARTHWORKS CROSS SECTIONS	
Drawing Number: A83AAB - AWJ - HGT - LTS_POC_M01 - DR-GE-000009	Originator: AWJ Volume: HGT
Location: LTS_POC_M01 - DR-GE-000009	Type: DR-GE Role: 000009 Number: 000009
Original Size: A1 Scale: 1:250	Project Ref. No.: 6204594 Sheet: 1 of 1 Rev: C01

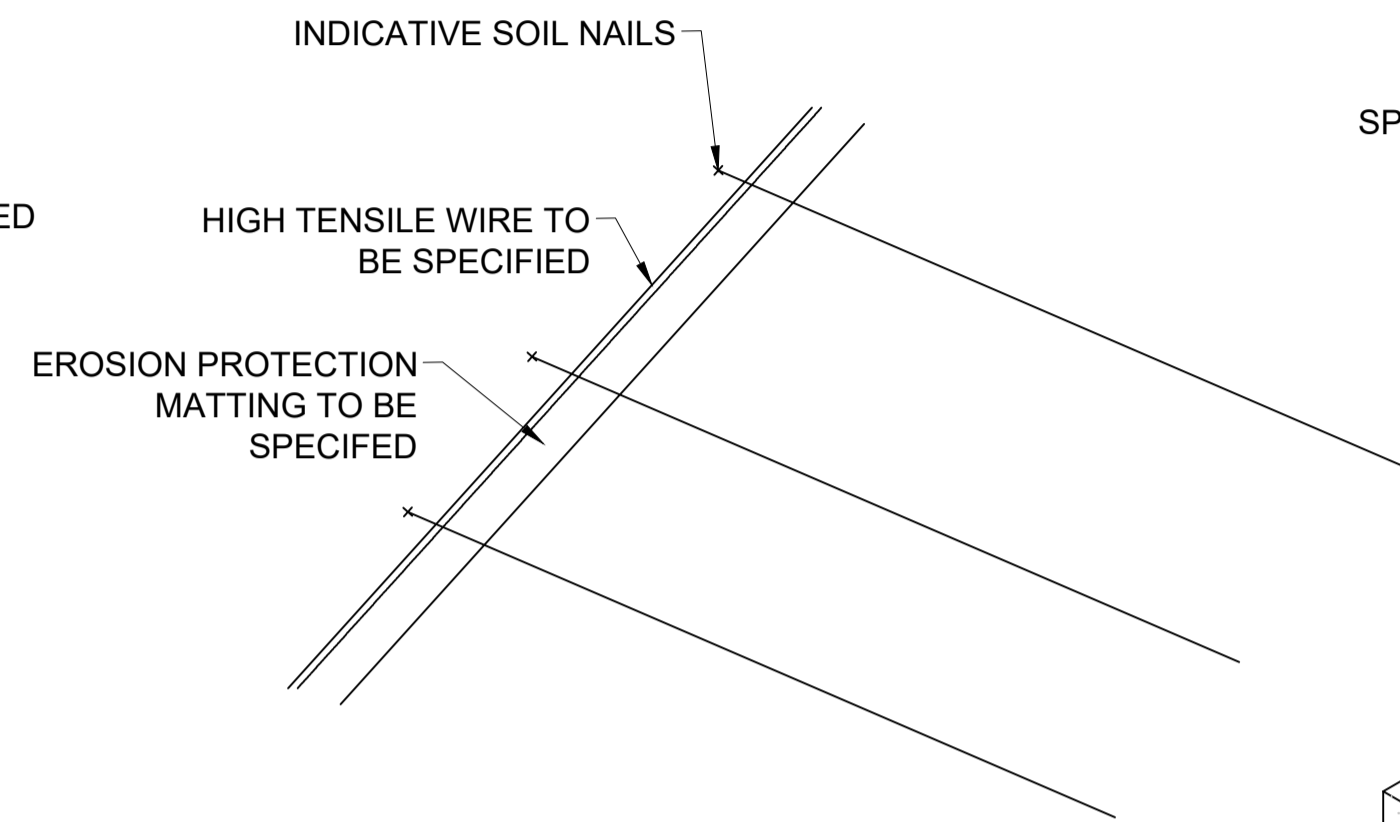
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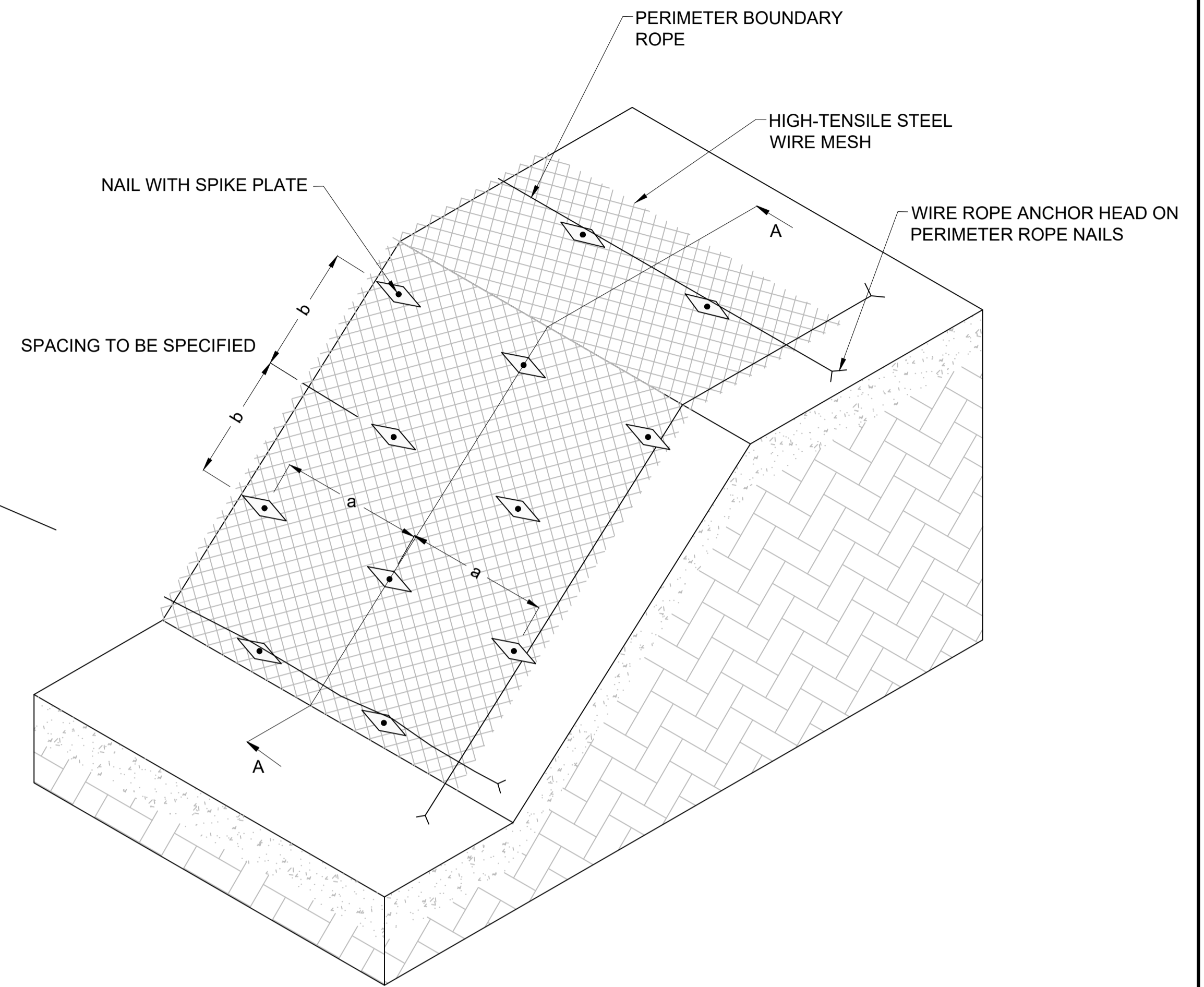
- NOTE A:** DSR SHALL SPECIFY
- i) MONITORABLE OR NON-MONITORABLE BOLT
 - ii) WORKING LOAD
 - iii) FREE LENGTH
 - iv) TESTING REQUIREMENTS
- NOTE B:** GROUT TUBE IS NOT SHOW FOR CLARITY
- NOTE C:** GROUT SHALL COMPLETELY FILL THE HOLE TO THE FINISHED SLOPE SURFACE
- NOTE D:** BAR AND ANCILLARIES TO BE PART OF COMPATIBLE MANUFACTURER SYSTEM

BOND LENGTH TO BE DESIGNED BY CONTRACTOR AND INCLUDE EXPANDING TYPE ANCHORAGE (DESIGNER TO SPECIFY LOAD)

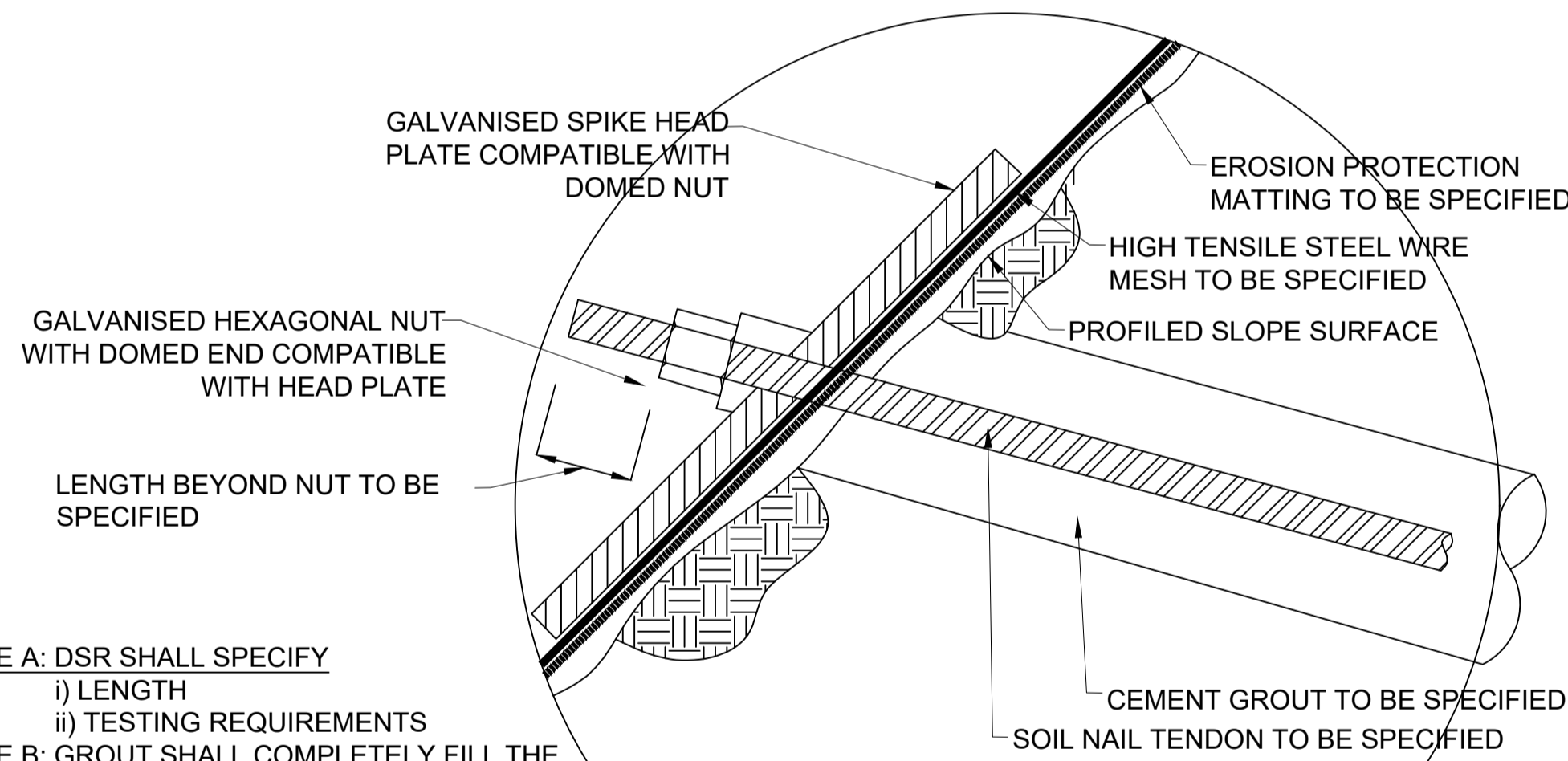
TYPICAL ARRANGEMENT OF ROCK BOLT (ONLY REQUIRED LOCALLY)



CROSS SECTION A-A

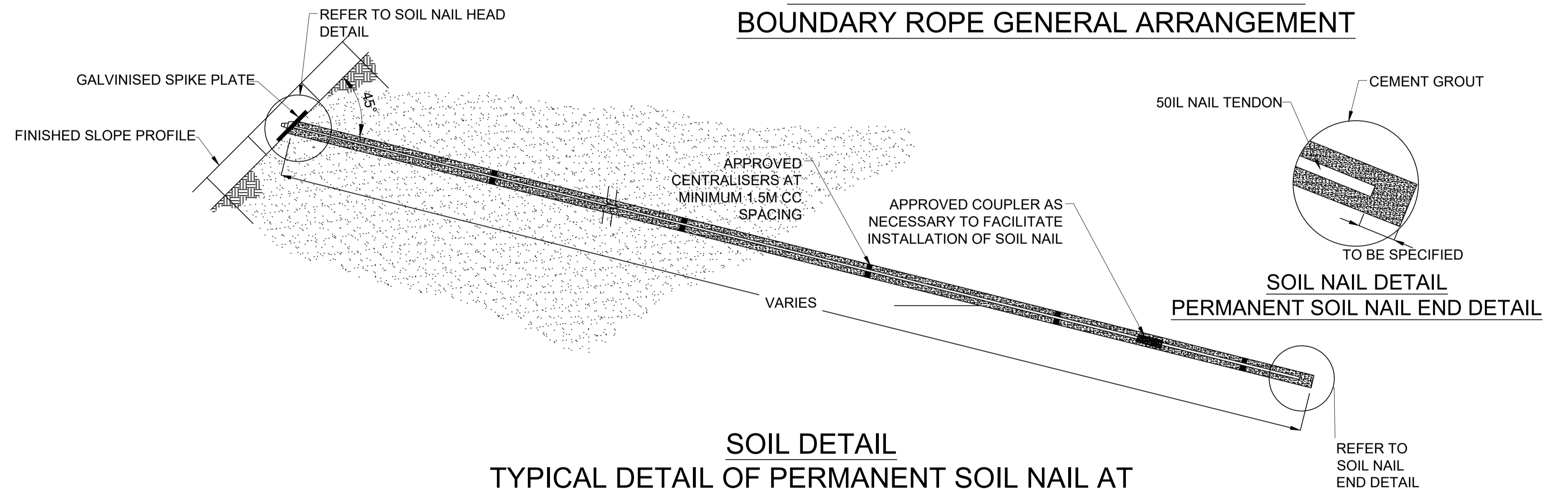


GENERAL SOIL NAIL AND PERIMETER BOUNDARY ROPE GENERAL ARRANGEMENT



- NOTE A:** DSR SHALL SPECIFY
- i) LENGTH
 - ii) TESTING REQUIREMENTS
- NOTE B:** GROUT SHALL COMPLETELY FILL THE HOLE TO THE FINISHED SLOPE SURFACE AND GROUTING METHOD TO BE PROPOSED BY CONTRACTOR FOR APPROVAL BY DSR
- NOTE C:** BAR AND ANCILLARIES TO BE PART OF COMPATIBLE MANUFACTURER SYSTEM

SOIL NAIL DETAIL PERMANENT SOIL NAIL HEAD AND FACING DETAIL



SOIL DETAIL TYPICAL DETAIL OF PERMANENT SOIL NAIL AT LOCATIONS WHERE BEDROCK IS NOT ENCOUNTERED

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NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.

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						
REFER TO HEALTH AND SAFETY RISK REGISTER DOCUMENT No: _____						
Maintenance / Cleaning						
REFER TO HEALTH AND SAFETY RISK REGISTER DOCUMENT No: _____						
Use						
REFER TO HEALTH AND SAFETY RISK REGISTER DOCUMENT No: _____						
Decommissioning / Demolition						
REFER TO HEALTH AND SAFETY RISK REGISTER DOCUMENT No: _____						

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DMRB Stage 3	A3	C01	HB	GD	HR	RHG	08/11/24

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

AtkinsRéalis wsp

Client: **TRANSPORT SCOTLAND COMHDHAIL ALBA**

Project Stage / Design File: DMRB Stage 3	Status: Preliminary
Project Title: A83 Rest and Be Thankful	
Drawing Title: LTS DRMB STAGE 3 - STANDARD EARTHWORKS DETAILS	
Drawing Number: A83AAB	Originator: AWJ
Project: LTS_POC_M01 - DR-GE-000010	Volume: HGT
Location: A1	Scale: NTS
Project Ref. No.: 6204594	Sheet: 1 of 1
Rev: C01	

8. Traffic Signs and Road Markings Plans

Traffic Signs

A83AAB-AWJ-HSN-LTS_POC_M01-DR-CH-120001 – Sheet 1 of 2

A83AAB-AWJ-HSN-LTS_POC_M01-DR-CH-120002 – Sheet 2 of 2

Road Markings

A83AAB-AWJ-HMK-LTS_POC_M01-DR-CH-000001 – Sheet 1 of 2

A83AAB-AWJ-HMK-LTS_POC_M01-DR-CH-000002 – Sheet 2 of 2