

KEY

SURVEY AREA - 850m RADIUS FROM ROAD EXTENT

PROPOSED ROAD EXTENT - POTENTIAL GROUNDWATER ABSTRACTION/DRAIN AREA

W

NATURAL WATERCOURSE, i.e. RIVER, ISSUES

D

MAN MADE DITCH/DRAIN

WF

- WATER FEATURE, i.e. POND, WETLAND

FC

- FLOW CONTROL STRUCTURE, i.e. WEIR

AB

- ABSTRACTION

PSD

- POINT SOURCE DISCHARGE

OT


- OTHER



NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE COMPLETED SEPA WAT-FORM-10: WATER FEATURES SURVEY IDENTIFICATION FORM.

2. THIS DRAWING SHOWS KNOWN WATER FEATURES ONLY. OTHER WATER FEATURES, NOT IDENTIFIED ON THE DRAWING, MAY ALSO BE PRESENT IN THE AREA OF INTEREST.

3. DRAWING BASED ON ROAD ALIGNMENT MODEL X_R_Stage 3 Design Rev 06.

CLIENT	 The Scottish Government																								
PROJECT TITLE	A737 Dalry Bypass Environmental Statement																								
REVISIONS	<table><tr><th>REV</th><th>REVISIONS</th><th>BY</th><th>CHKD</th><th>APP'D</th><th>DATE</th></tr><tr><td>03</td><td>Drawing title and labels revised.</td><td>KAB</td><td>MLJ</td><td>ELC</td><td>July 13</td></tr><tr><td>02</td><td>Flood compensatory storage area added.</td><td>KAB</td><td>MLJ</td><td>ELC</td><td>June 13</td></tr><tr><td>01</td><td>AB4 removed, road alignment model updated.</td><td>KAB</td><td>MLJ</td><td>ELC</td><td>May 13</td></tr></table>	REV	REVISIONS	BY	CHKD	APP'D	DATE	03	Drawing title and labels revised.	KAB	MLJ	ELC	July 13	02	Flood compensatory storage area added.	KAB	MLJ	ELC	June 13	01	AB4 removed, road alignment model updated.	KAB	MLJ	ELC	May 13
REV	REVISIONS	BY	CHKD	APP'D	DATE																				
03	Drawing title and labels revised.	KAB	MLJ	ELC	July 13																				
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DRAWING STATUS	Report																								

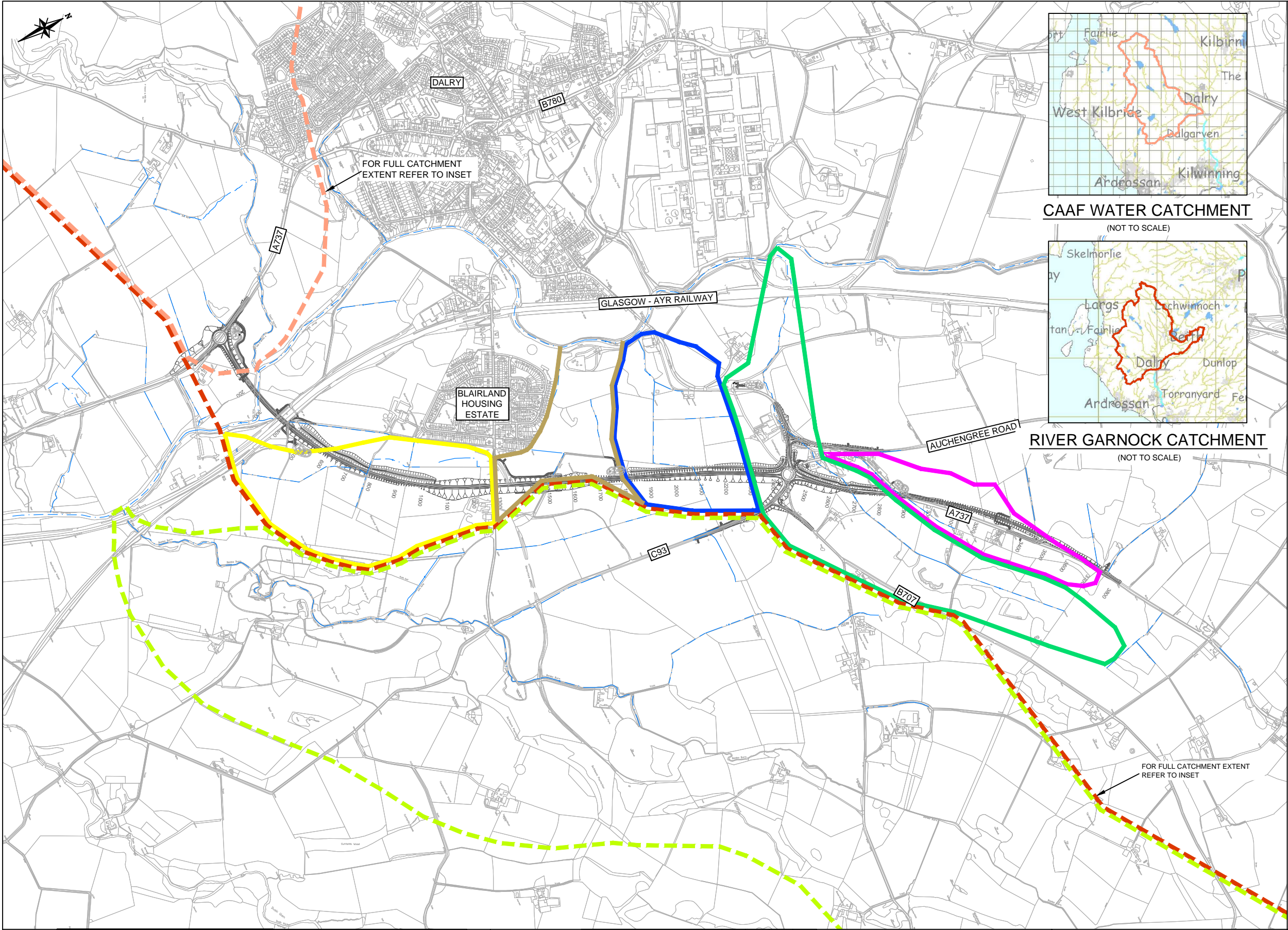
ENGINEER

IN ASSOCIATION WITH


DRAWING TITLE
Water Features Survey
Water Features Location Plan

SCALE @ A3
1:15000

DRAWING NO
Figure 16.1

REV
03



KEY

- RIVER GARNOCK (W6)
- CAAF WATER (W2)
- UNNAMED TRIBUTARY OF RIVER GARNOCK (W8)
- RIVER GARNOCK (W6) VIA UNNAMED TRIBUTARIES
- UNNAMED TRIBUTARY OF RIVER GARNOCK (W15)
- COALHEUGHGLEN BURN (W17)
- UNNAMED TRIBUTARY OF COALHEUGHGLEN BURN (W18)
- BOMBO BURN (W9) (FULL EXTENT NOT SHOWN)

NOTES

1. DRAWING BASED ON ROAD ALIGNMENT MODEL X_R_Stage 3 Design Rev 06.

CLIENT

The Scottish Government

PROJECT TITLE

**A737 Dalry Bypass
Environmental Statement**

REV	REVISIONS	BY	CHKD	APP'D	DATE
03	Drawing title and labels revised.	KAB	MLJ	ELC	July 13
02	Flood compensatory storage area added.	KAB	MLJ	ELC	June 13
01	W8 catchment boundary revised, road alignment model updated.	KAB	MLJ	ELC	May 13
AMENDMENTS					

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DESIGN BY:	MLJ	CHECKED BY:	MLJ
DATE:	Nov 12	DATE:	Nov 12
DRAWN BY:	KAB	APPROVED BY:	ELC
DATE:	Nov 12	DATE:	Nov 12

DRAWING STATUS: Report

ENGINEER

mouchel FAIRHURST

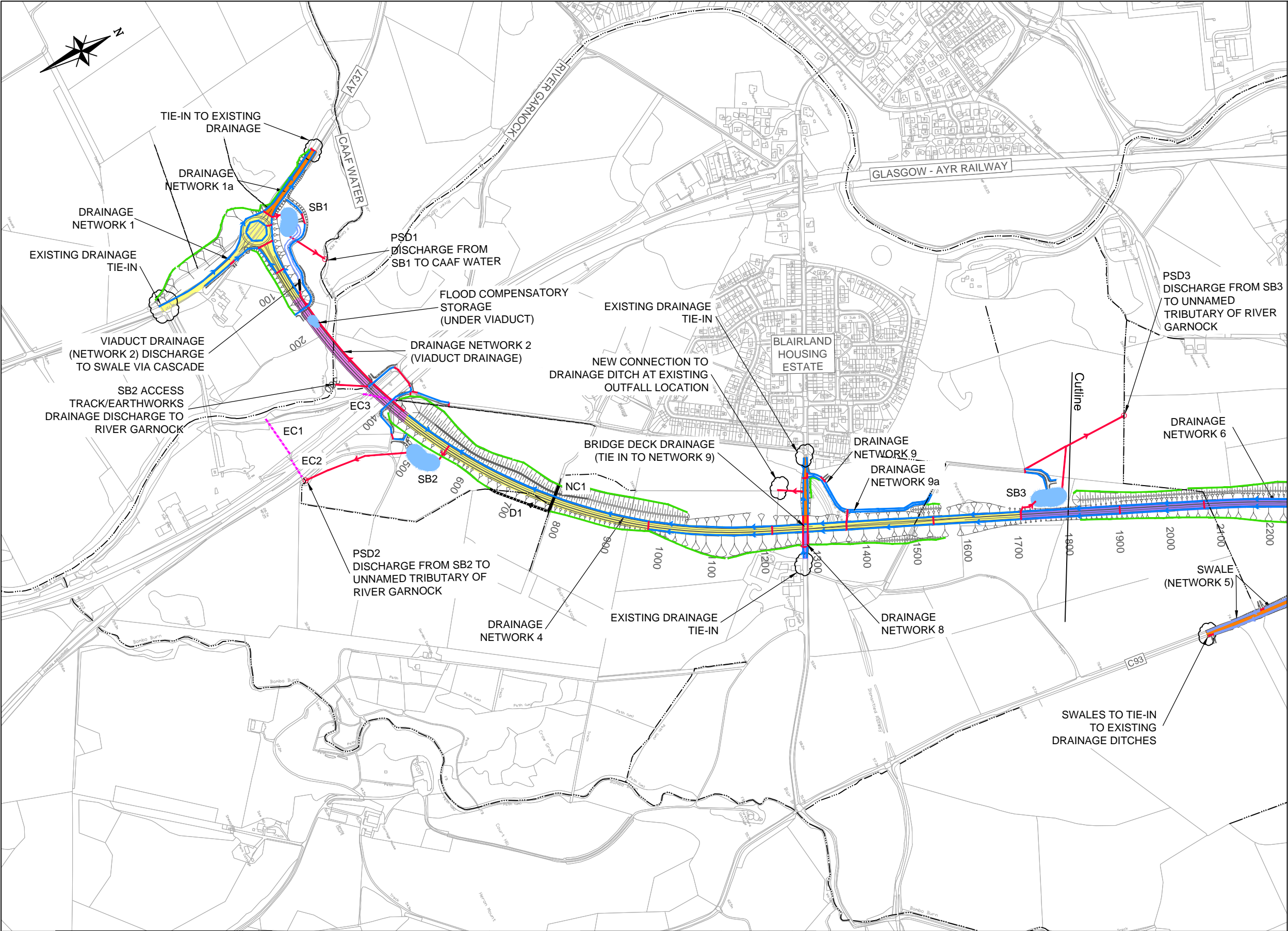
IN ASSOCIATION WITH

SIAS

DRAWING TITLE

**Existing Watercourse Catchment
Boundaries (Indicative)**

SCALE @ A3 1:15000	DRAWING NO Figure 16.2	REV 03
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KEY

ROAD DRAINAGE - FILTER TRENCH

ROAD DRAINAGE - CARRIER PIPE

EC1

NC1

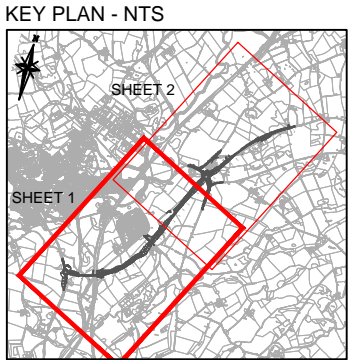
D1

SB1

PSD1

NOTES

1. DRAWING BASED ON ROAD ALIGNMENT MODEL X_R_Stage 3 Design Rev 06.



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The Scottish Government

PROJECT TITLE

A737 Dalry Bypass
Environmental Statement

REV	REVISIONS	BY	CHKD	APP'D	DATE
03	Drawing title and labels revised.	KAB	MLJ	ELC	July 13
02	Drainage layout revised. Flood compensatory storage area added.	KAB	MLJ	ELC	June 13
01	Drainage layout revised. Road model updated.	KAB	MLJ	ELC	May 13

AMENDMENTS

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DESIGN BY:	MLJ	CHECKED BY:	MLJ
DATE:	Nov 12	DATE:	Nov 12
DRAWN BY:	KAB	APPROVED BY:	ELC
DATE:	Nov 12	DATE:	Nov 12

DRAWING STATUS

Report

ENGINEER

IN ASSOCIATION WITH

DRAWING TITLE

Road Surface Drainage Layout
General Arrangement (Sheet 1 of 2)

SCALE @ A3

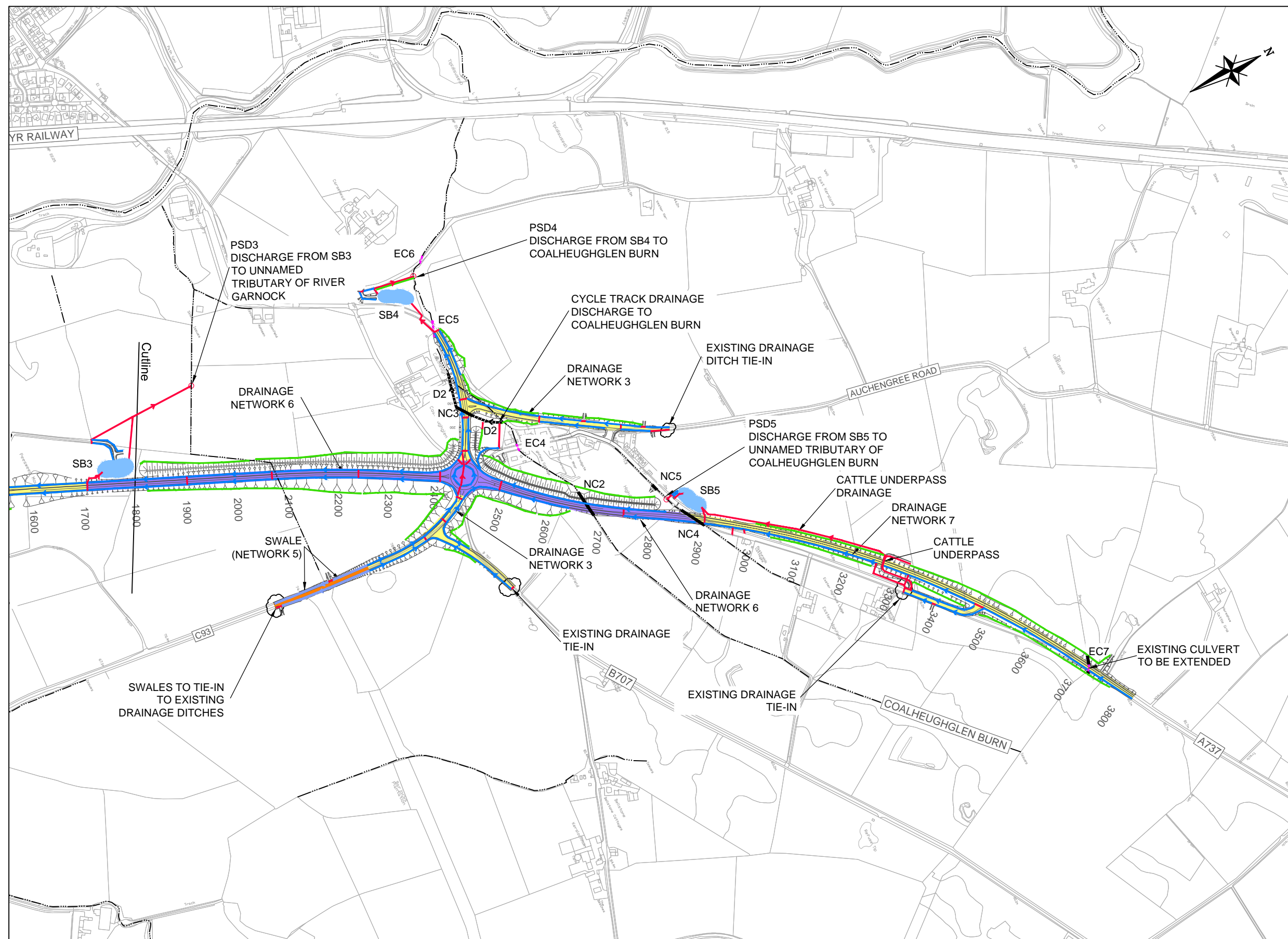
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









REV

1:7500

Figure 16.3a

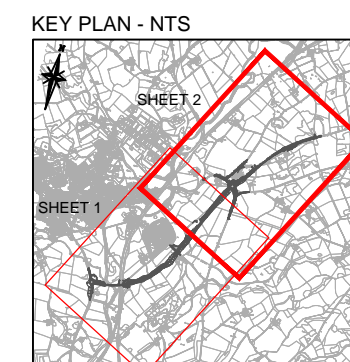
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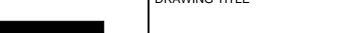



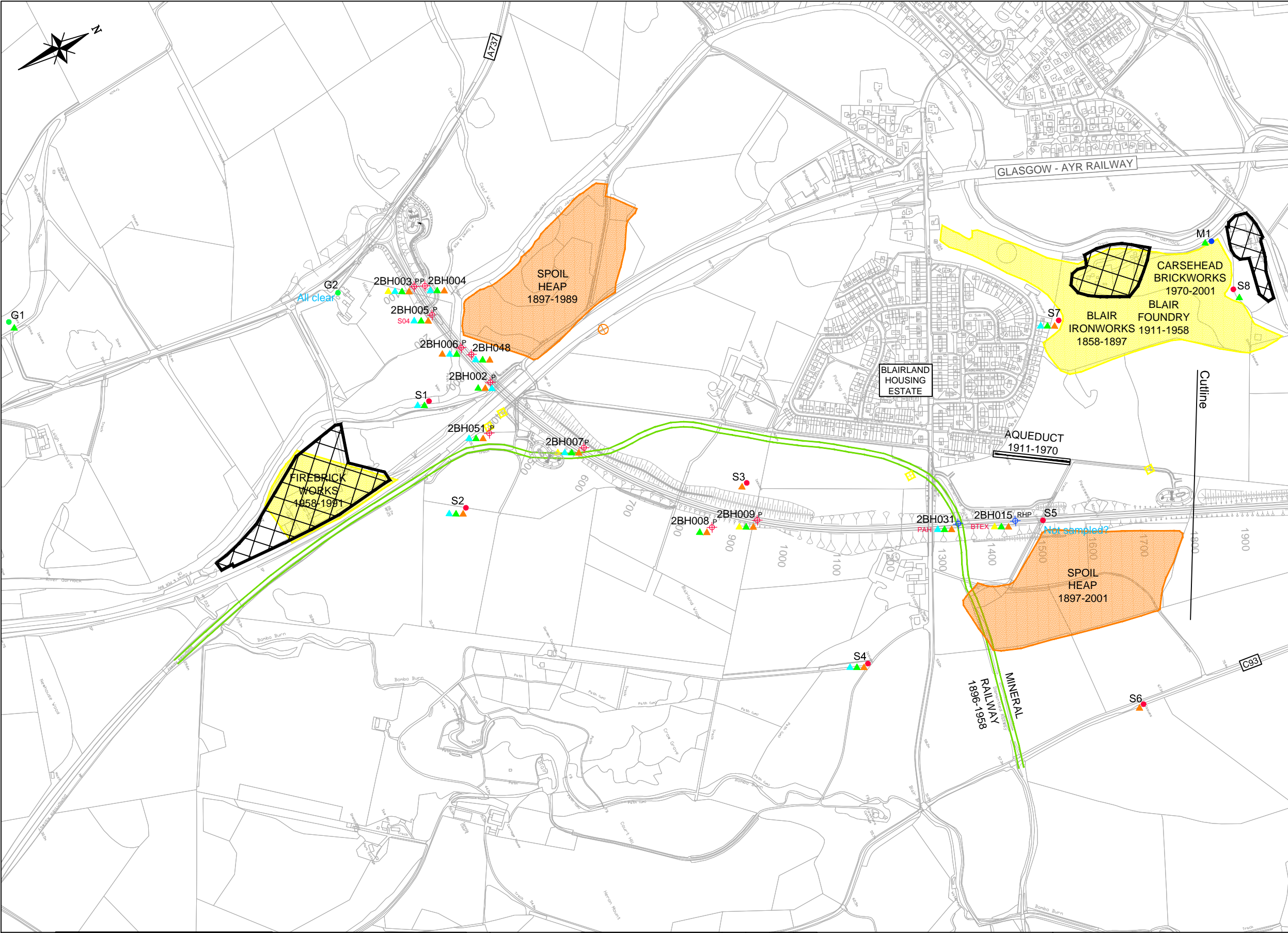
KEY	
	ROAD DRAINAGE - FILTER TRENCH
	ROAD DRAINAGE - CARRIER PIPE
	SWALE
	EARTHWORKS DRAINAGE
	EXISTING WATERCOURSE
	EXISTING CULVERT
	NEW CULVERT
	WATERCOURSE DIVERSION
	SUDS BASIN/FLOOD COMPENSATORY STORAGE
	POINT SOURCE DISCHARGE (SUDS OUTFALL)

NOTES

1. DRAWING BASED ON ROAD
ALIGNMENT MODEL X_R_Stage 3 Design
Rev 06.



<div> TRANSPORT SCOTLAND</div> <div></div>	PROJECT TITLE A737 Dalry Bypass Environmental Statement						This map is based upon Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's stationery Office (c) Crown copyright 2011. Any unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Scottish Executive Licence number : 100046668 2012.	ENGINEER <div></div> <div>IN ASSOCIATION WITH</div> <div></div>	DRAWING TITLE Road Surface Drainage Layout General Arrangement (Sheet 2 of 2)			
		03	Drawing title and labels revised.	KAB	MLJ	ELC				July 13	DESIGN BY: MLJ	CHECKED BY: MLJ
		02	Drainage layout revised. Flood compensatory storage area added.	KAB	MLJ	ELC				June 13	DATE: Nov 12	DATE: Nov 12
		01	Drainage layout revised. Road model updated.	KAB	MLJ	ELC				May 13	DRAWN BY: KAB	APPROVED BY: ELC
		REV	REVISIONS	BY	CHKD	APPD				DATE	DATE: Nov 12	DATE: Nov 12
		AMENDMENTS								DRAWING STATUS		Report
						SCALE @ A3 1:7500		DRAWING NO Figure 16.3b	REV 03			



KEY

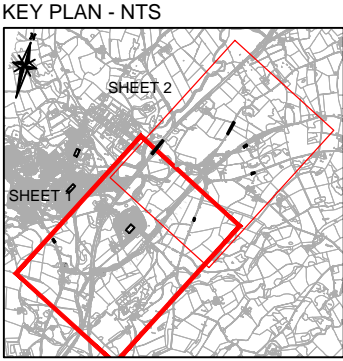
- SURFACE WATER SAMPLE POINT
- GROUNDWATER ABSTRACTION SAMPLE POINT
- OLD MINE ADIT 'DAY LEVEL' SAMPLE POINT
- BOREHOLE

CONTAMINANTS > WATER ENVIRONMENT ASSESSMENT CRITERIA

- TPH
- MANGANESE
- ALUMINIUM
- IRON
- ABOVE ASSESSMENT CRITERIA
- FORMER INDUSTRIAL SITE
- FORMER COLLIERY SITE
- FORMER QUARRY SITE
- DISMANTLED RAILWAY
- CONTAMINATION POINT SOURCE

NOTES

1. DRAWING BASED ON ROAD ALIGNMENT MODEL X_R_Stage 3 Design Rev 06.



CLIENT

The Scottish Government

PROJECT TITLE

A737 Dalry Bypass
Environmental Statement

REV	REVISIONS	BY	CHKD	APP'D	DATE
02	Drawing title revised and labels added.	KAB	MLJ	ELC	July 13
01	Flood compensatory storage area and SUDS basins added.	KAB	JH	ELC	June 13

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DESIGN BY:	JH	CHECKED BY:	JH
DATE:	May 13	DATE:	May 13
DRAWN BY:	KAB	APPROVED BY:	ELC
DATE:	May 13	DATE:	May 13

DRAWING STATUS: Report

ENGINEER

mouchel FAIRHURST

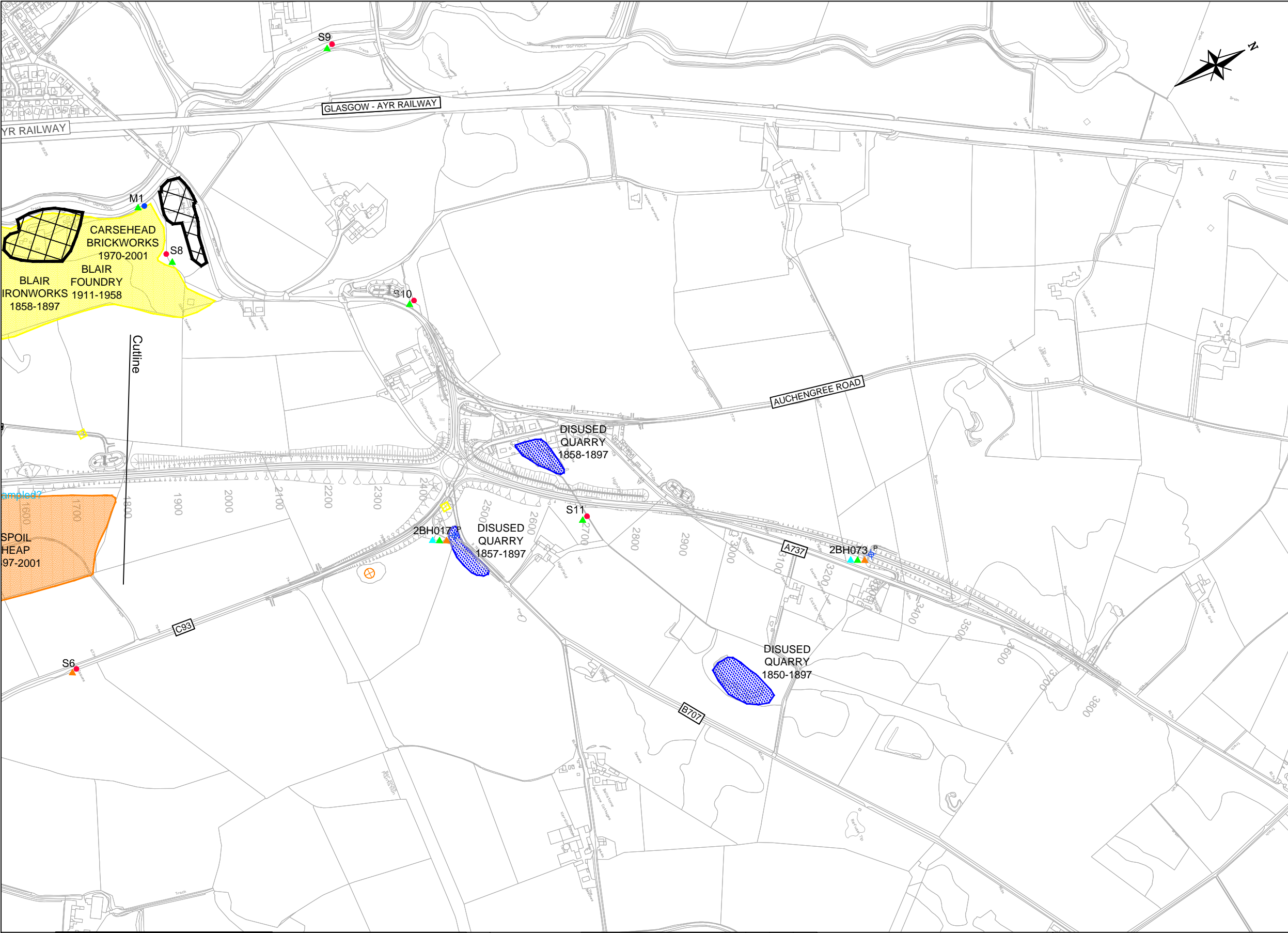
IN ASSOCIATION WITH

SIAS

DRAWING TITLE

Groundwater and Surfacewater Quality
(Sheet 1 of 2)

SCALE @ A3 1:7500	DRAWING NO Figure 16.4a	REV 02
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KEY

S

SURFACE WATER SAMPLE POINT

G

GROUNDWATER ABSTRACTION SAMPLE POINT

M

OLD MINE ADIT 'DAY LEVEL' SAMPLE POINT

BH

BOREHOLE

CONTAMINANTS > WATER ENVIRONMENT ASSESSMENT CRITERIA

▲

TPH

▲

MANGANESE

▲

ALUMINIUM

▲

IRON

ABC

ABOVE ASSESSMENT CRITERIA

FORMER INDUSTRIAL SITE

FORMER COLLIERY SITE

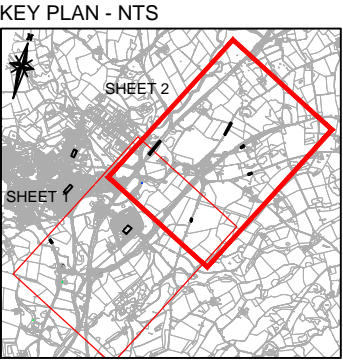
FORMER QUARRY SITE

DISMANTLED RAILWAY

CONTAMINATION POINT SOURCE

NOTES

1. DRAWING BASED ON ROAD ALIGNMENT MODEL X_R_Stage 3 Design Rev 06.



CLIENT

PROJECT TITLE

A737 Dalry Bypass
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REV	REVISIONS	BY	CHKD	APP'D	DATE
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01	SUDS basins added.	KAB	JH	ELC	June 13

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DESIGN BY:	JH	CHECKED BY:	JH
DATE:	May 13	DATE:	May 13
DRAWN BY:	KAB	APPROVED BY:	ELC
DATE:	May 13	DATE:	May 13

DRAWING STATUS: Report

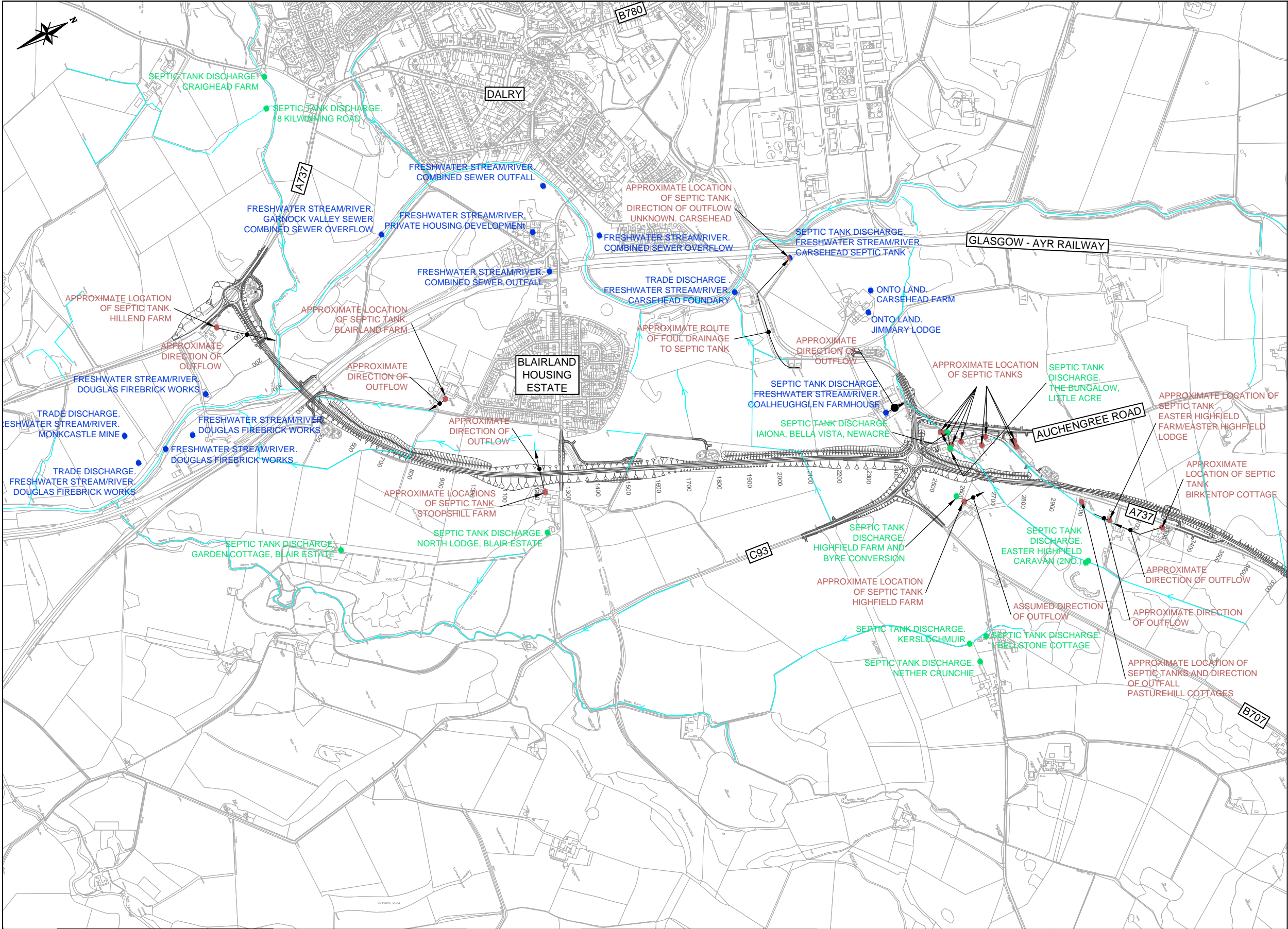
ENGINEER

IN ASSOCIATION WITH

DRAWING TITLE

Groundwater and Surfacewater Quality
(Sheet 2 of 2)

SCALE @ A3 1:7500	DRAWING NO Figure 16.4b	REV 02
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KEY

WATERCOURSE, i.e. RIVER, ISSUES, MANMADE DITCH/DRAIN

INFORMATION OBTAINED THROUGH CONSULTATION WITH LAND OWNER/OCCUPIER (APPROXIMATE SEPTIC TANK LOCATIONS AND DISCHARGE ROUTES)

INFORMATION OBTAINED FROM SEPA (REGISTERED SEPTIC TANK DISCHARGES)

INFORMATION DERIVED FROM ENVIROCHECK REPORT, JUNE 2012 (DISCHARGE POINTS POSITIONAL ACCURACY 100m)

NOTES

1. DRAWING BASED ON ROAD ALIGNMENT MODEL X_R_Stage 3 Design Rev 06.

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03	Drawing title and labels revised.	KAB	MLJ	ELC	July 13
02	Flood compensatory storage area added.	KAB	MLJ	ELC	June 13
01	Septic tank outfalls relocated, road alignment model updated.	KAB	MLJ	ELC	May 13

AMENDMENTS

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DESIGN BY:	MLJ	CHECKED BY:	MLJ
DATE:	Nov 12	DATE:	Nov 12
DRAWN BY:	KAB	APPROVED BY:	ELC
DATE:	Nov 12	DATE:	Nov 12

DRAWING STATUS

Report

ENGINEER

IN ASSOCIATION WITH

DRAWING TITLE

Existing Wastewater Discharge Points
Location Plan

SCALE @ A3
1:12500

DRAWING NO
Figure 16.5

REV
03