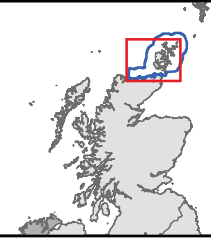
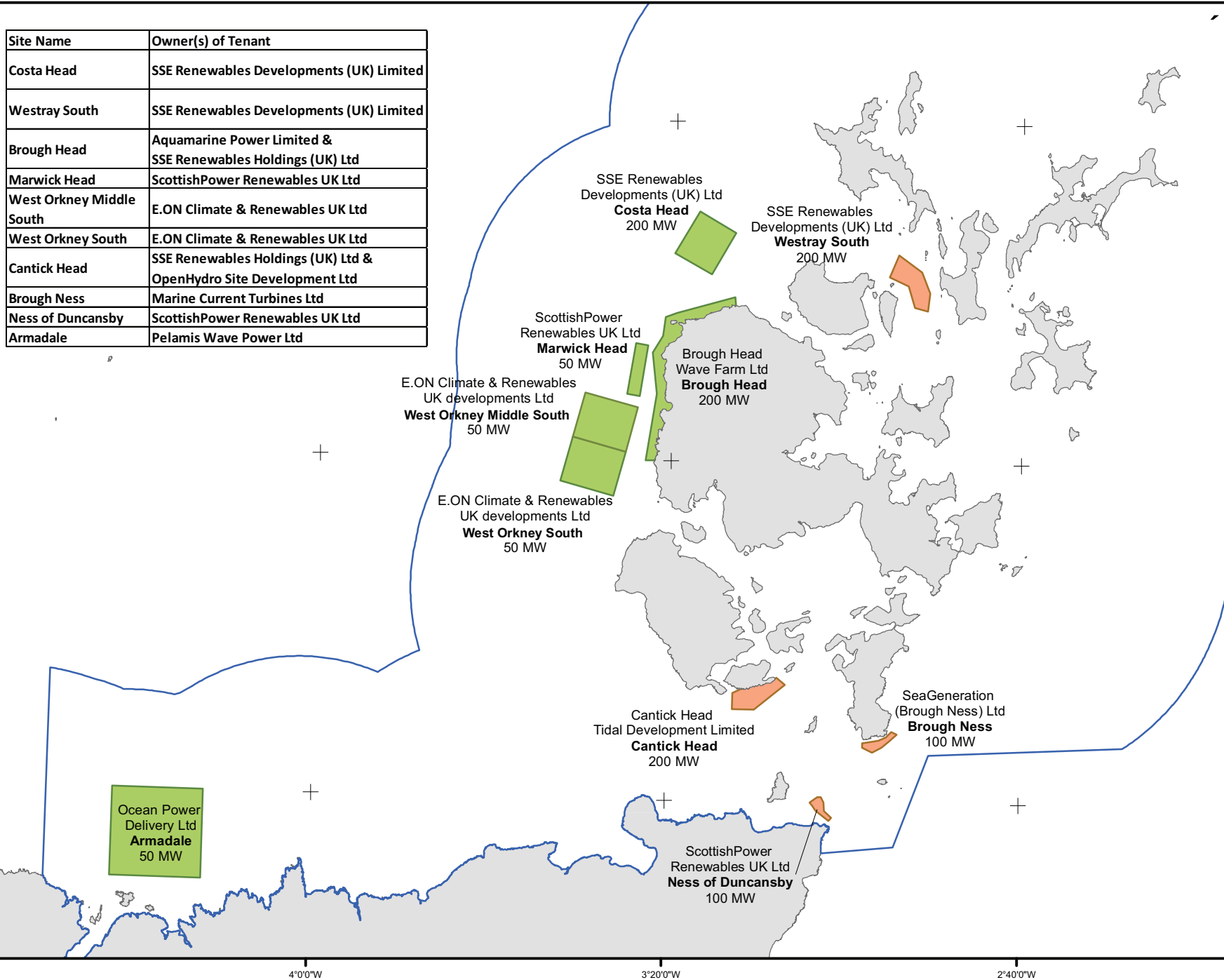


Capabilities on project:
Transportation

Appendix A – Pentland and Orkney Waters Round 1 Development Sites

Pentland Firth and Orkney Waters Round 1 Development Sites

Site Name	Owner(s) of Tenant
Costa Head	SSE Renewables Developments (UK) Limited
Westray South	SSE Renewables Developments (UK) Limited
Brough Head	Aquamarine Power Limited & SSE Renewables Holdings (UK) Ltd
Marwick Head	ScottishPower Renewables UK Ltd
West Orkney Middle South	E.ON Climate & Renewables UK Ltd
West Orkney South	E.ON Climate & Renewables UK Ltd
Cantick Head	SSE Renewables Holdings (UK) Ltd & OpenHydro Site Development Ltd
Brough Ness	Marine Current Turbines Ltd
Ness of Duncansby	ScottishPower Renewables UK Ltd
Armadale	Pelamis Wave Power Ltd



- Development Sites**
- Tidal
 - Wave
 - Strategic Area
 - United Kingdom
 - Europe

MaRS
Marine Resource System

Round 1 Development Sites
05 March 2010



1:580,000 Author : KR
Size : A4 QA : JM

Positions shown relative to WGS 84
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6 Bell's Brae Edinburgh EH4 3BJ Tel: 0131 260 6070

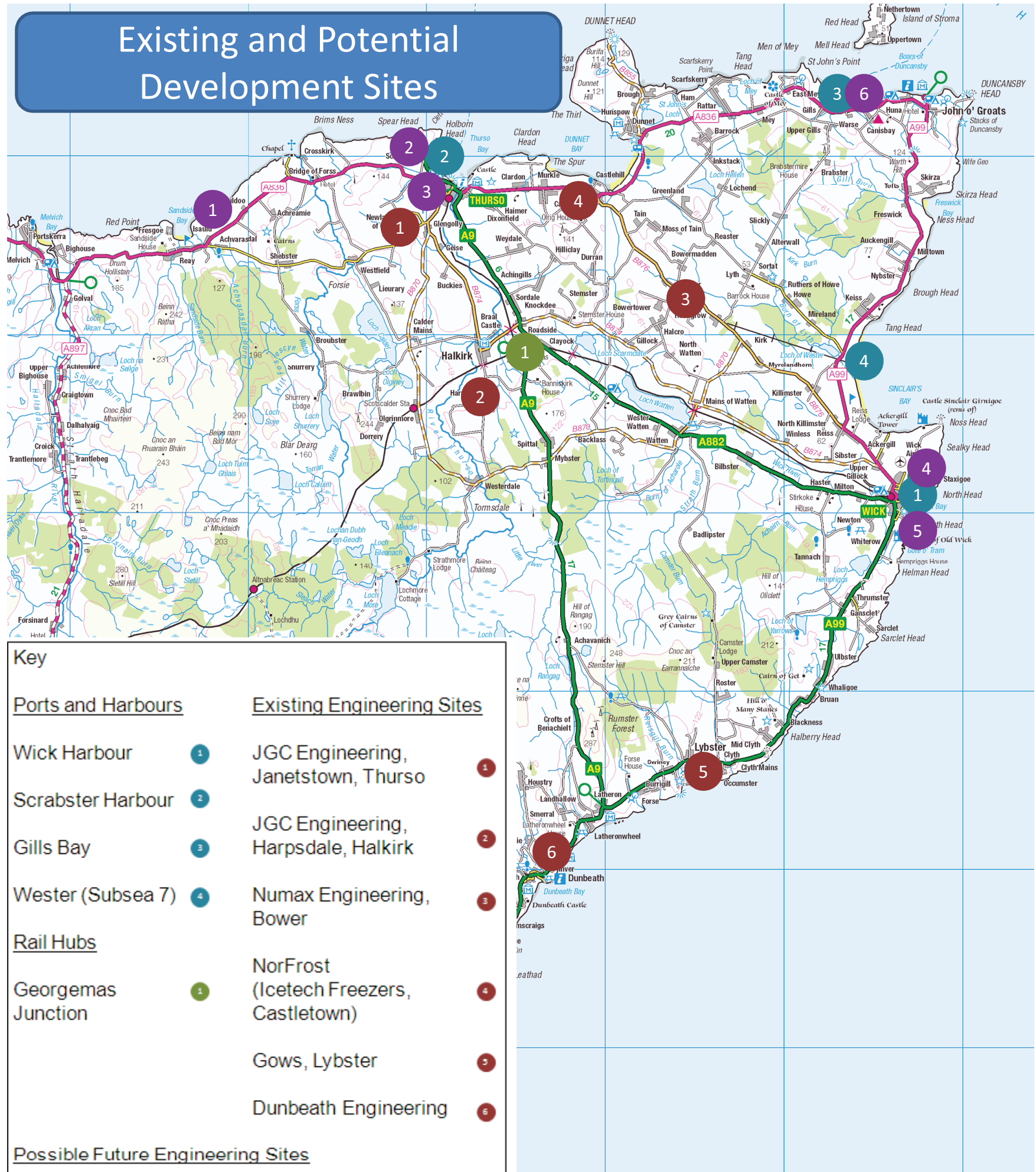
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Capabilities on project:
Transportation

Appendix B – Existing and Potential Development Sites

Existing and Potential Development Sites



Ports and Harbours		Existing Engineering Sites	
Wick Harbour	1	JGC Engineering, Janetstown, Thurso	1
Scrabster Harbour	2	JGC Engineering, Harpsdale, Halkirk	2
Gills Bay	3	Numax Engineering, Bower	3
Wester (Subsea 7)	4	NorFrost (Icetek Freezers, Castletown)	4
Rail Hubs		Gows, Lybster	5
Georgemas Junction	1	Dunbeath Engineering	6
Possible Future Engineering Sites			
Dounreay	1	Sites to North of Wick Harbour	4
Scrabster Farm	2	Sites to South of Wick Harbour	5
Sites to West of Thurso	3	Gills Bay Area	6



First Floor,
499 Union Street,
ABERDEEN AB11 6DB

Tel: +44 (0) 1224 597 450
Fax: +44 (0) 1224 597 499
www.aecom.com

Client:
HITRANS & THE HIGHLAND COUNCIL

Title:
EXISTING AND POTENTIAL DEVELOPMENT SITES

Design: AR	CAD: -
Chk'd: PF	App'd: PF
Date: 20.12.11	Scale: NOT TO SCALE

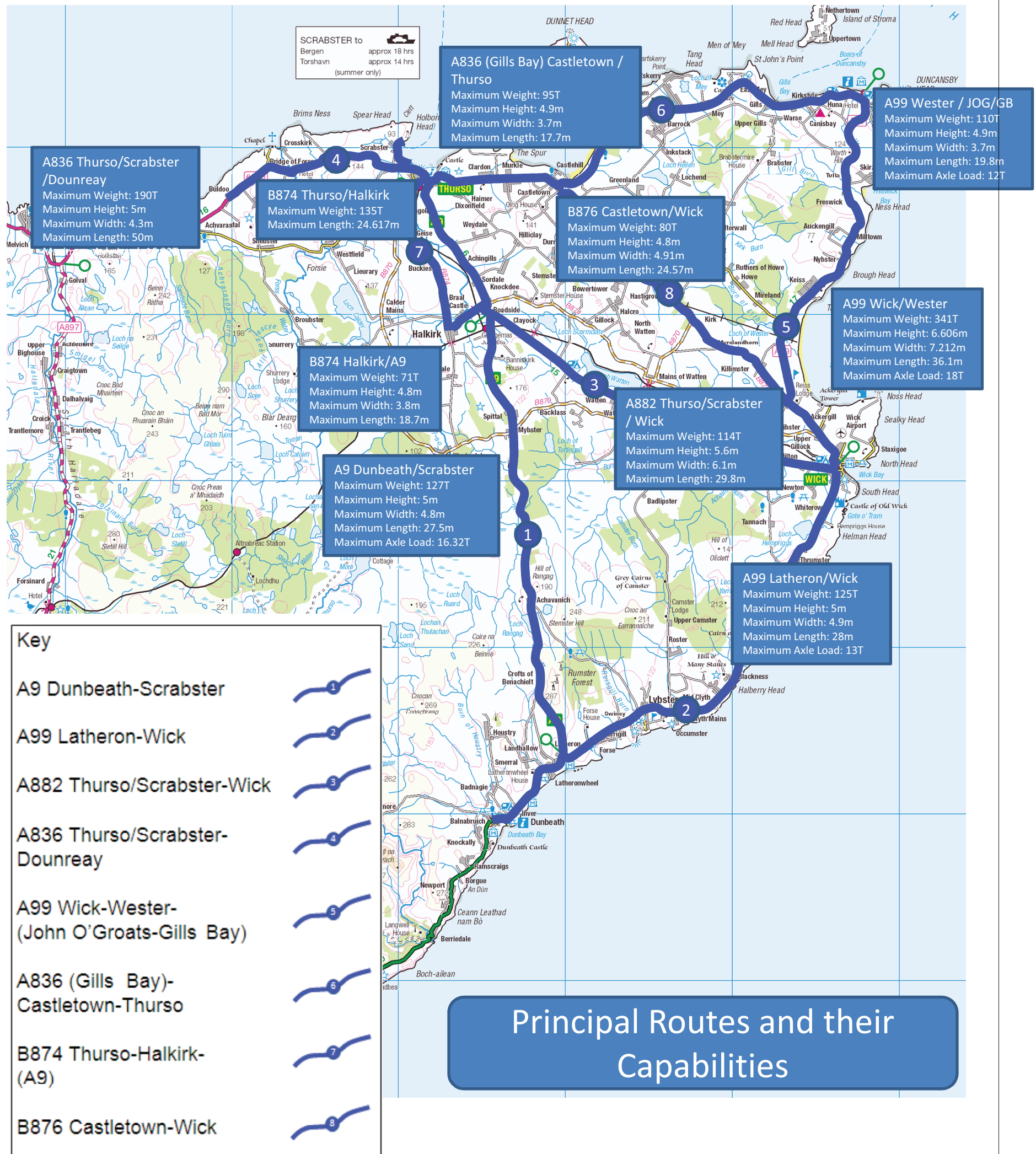
Project:
CAITHNESS INTERNAL TRANSPORT CONNECTIVITY STUDY

No. APPENDIX B

Rev: A

Capabilities on project:
Transportation

Appendix C – Key Routes and their Capabilities



First Floor,
499 Union Street,
ABERDEEN AB11 6DB

Tel: +44 (0) 1224 597 450
Fax: +44 (0) 1224 597 499
www.aecom.com

Client: HITRANS & THE HIGHLAND COUNCIL

Title: PRINCIPAL ROUTES AND THEIR CAPABILITIES

Design: AR
Chkd: PF
Date: 20.12.11

CAD: -
App'd: PF
Scale: NOT TO SCALE

No.	APPENDIX C	Rev:	A
			A3

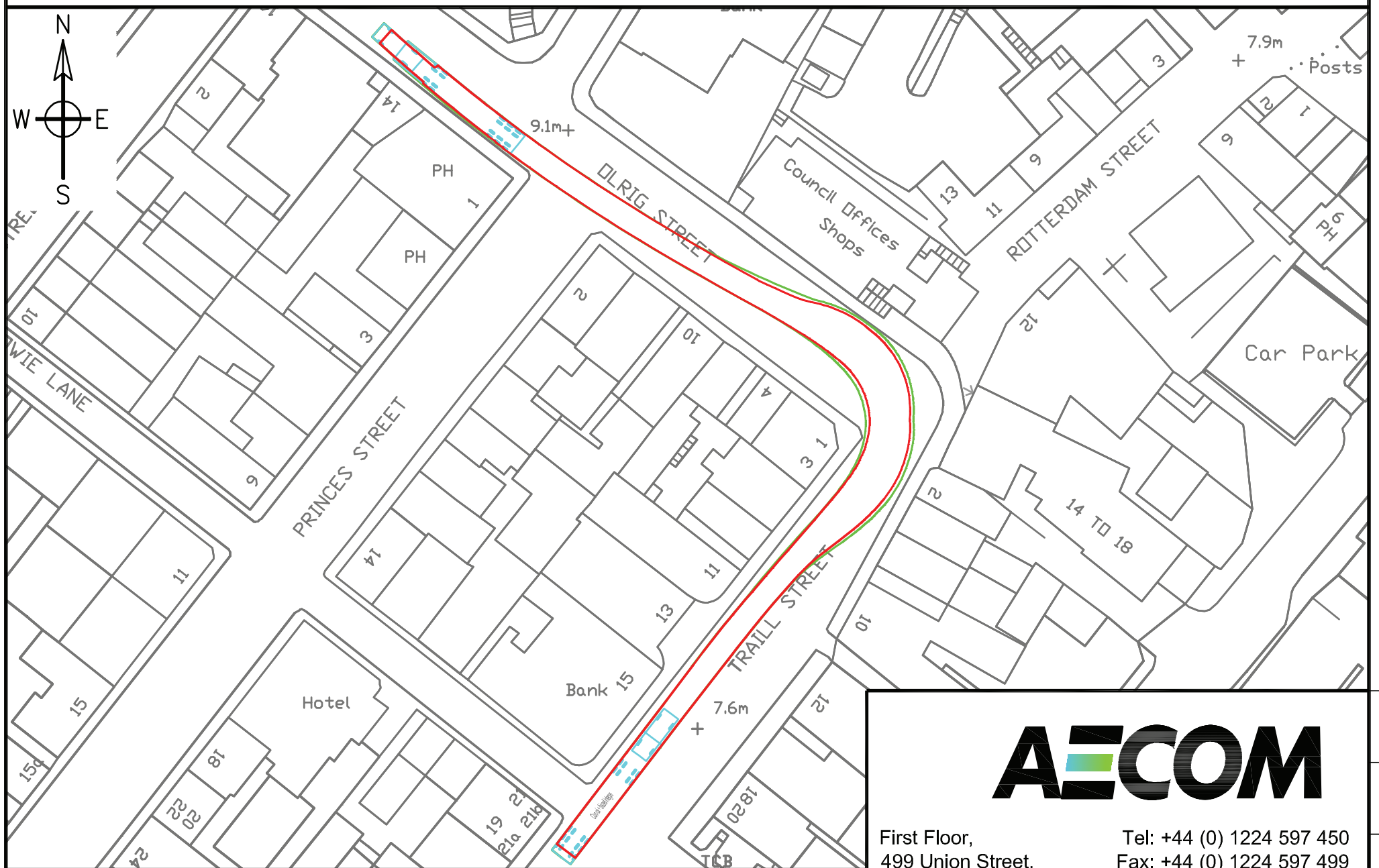
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Capabilities on project:
Transportation

Appendix D – Swept Path Analysis, Thurso and Wick



LONG ARTIC 3m X 25m



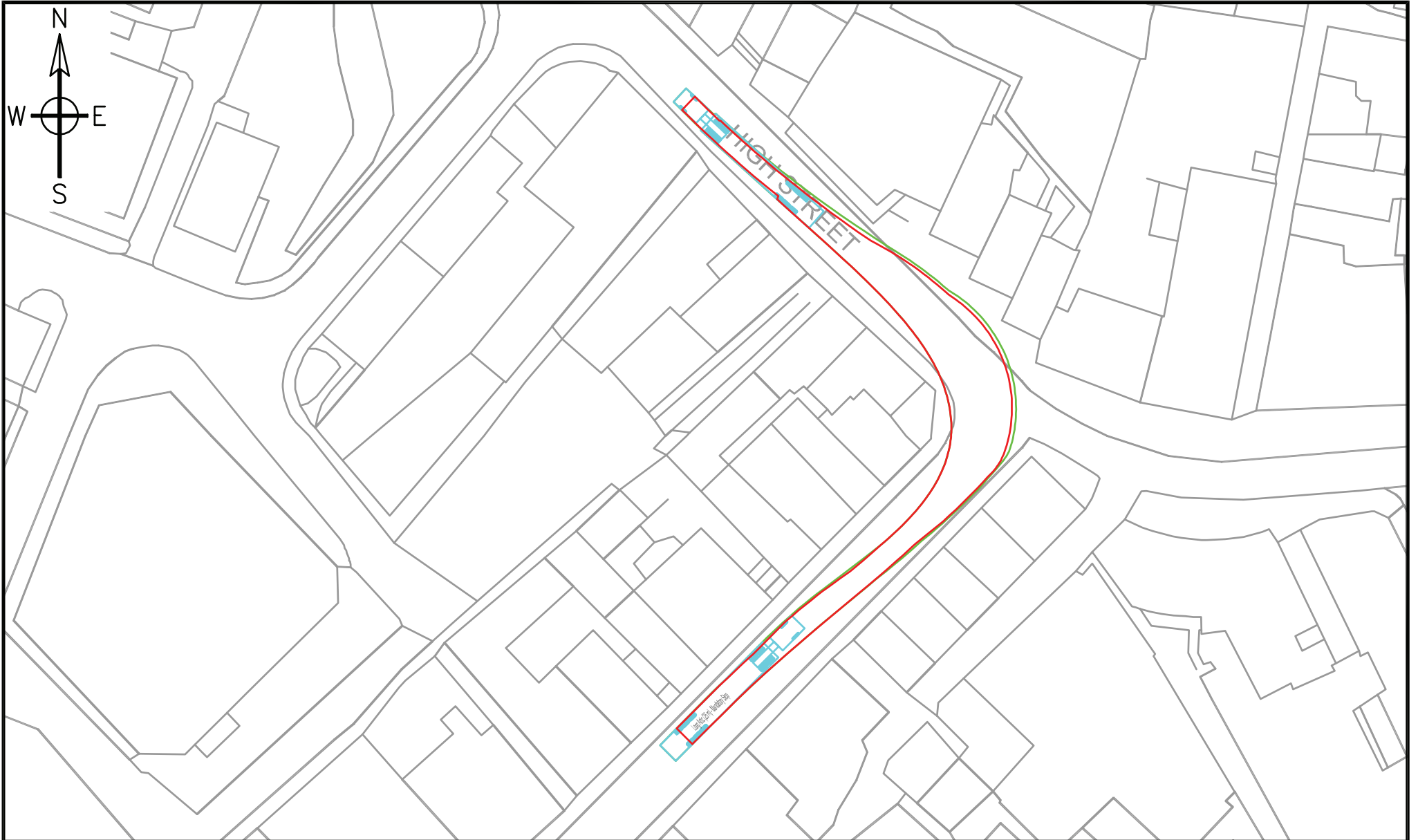
CONVOI + BISSEL INTEGRE 3.25m x 25m

<p>Client: HITRANS & THE HIGHLAND COUNCIL</p>	<p>Title: THURSO TOWN CENTRE ABNORMAL LOAD TRACKING TRAILL ST TO OLRIG ST</p>	<p>Design: P.F.</p>	<p>CAD: W.F.</p>
<p>Project: CAITHNESS INTERNAL TRANSPORT CONNECTIVITY STUDY</p>		<p>Chk'd: A.R.</p>	<p>App'd: P.F.</p>
		<p>Date: 20.12.11</p>	<p>Scale: 1:1000 @ A4</p>
		<p>No. APPENDIX D</p>	
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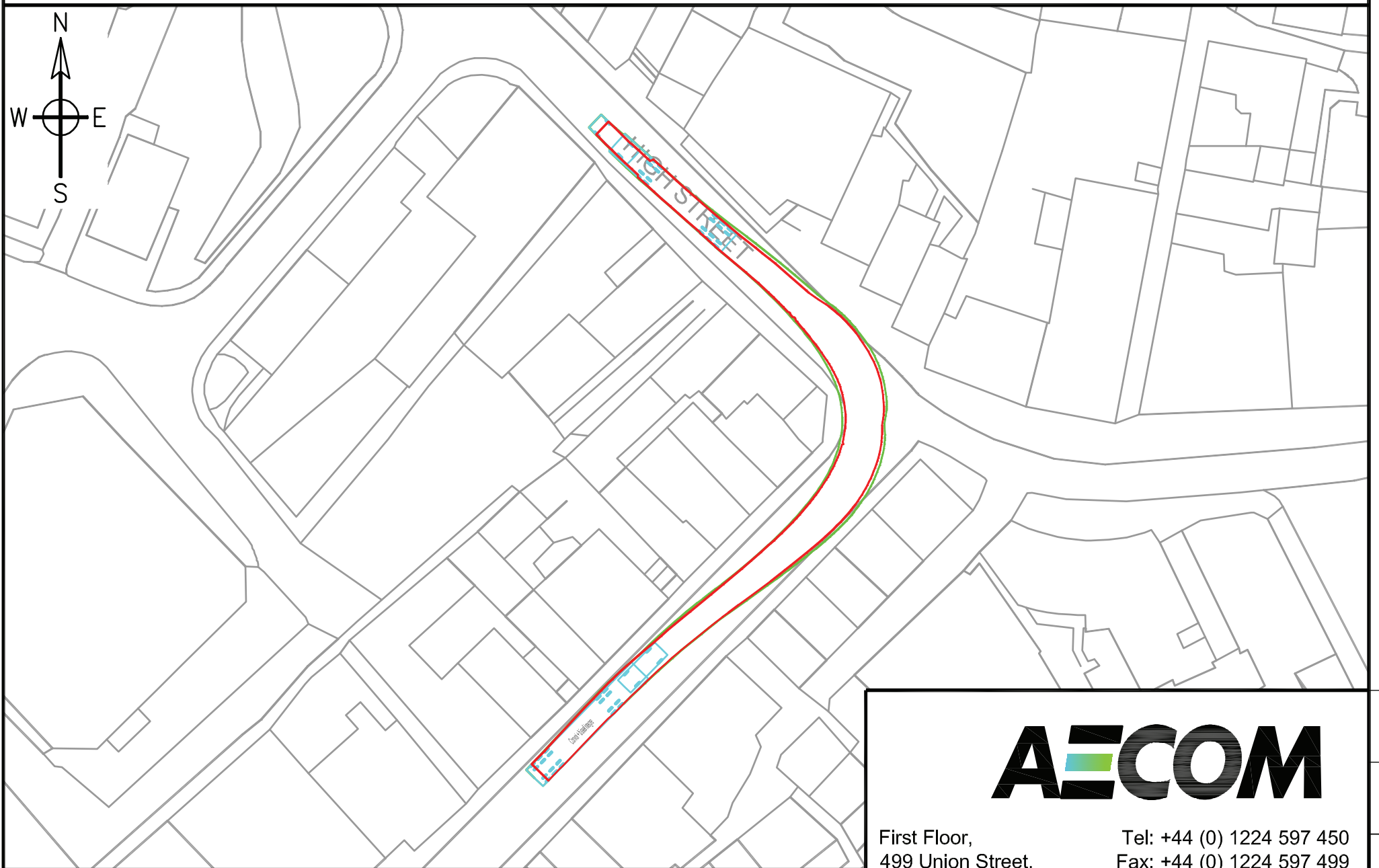


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Fax: +44 (0) 1224 597 499
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LONG ARTIC 3m X 25m



CONVOI + BISSEL INTEGRE 3.25m x 25m

Client: **HITRANS & THE HIGHLAND COUNCIL**

Project: **CAITHNESS INTERNAL TRANSPORT CONNECTIVITY STUDY**

Title: **WICK TOWN CENTRE ABNORMAL LOAD TRACKING FROM A99 BRIDGE ST TO A99 HIGH ST**

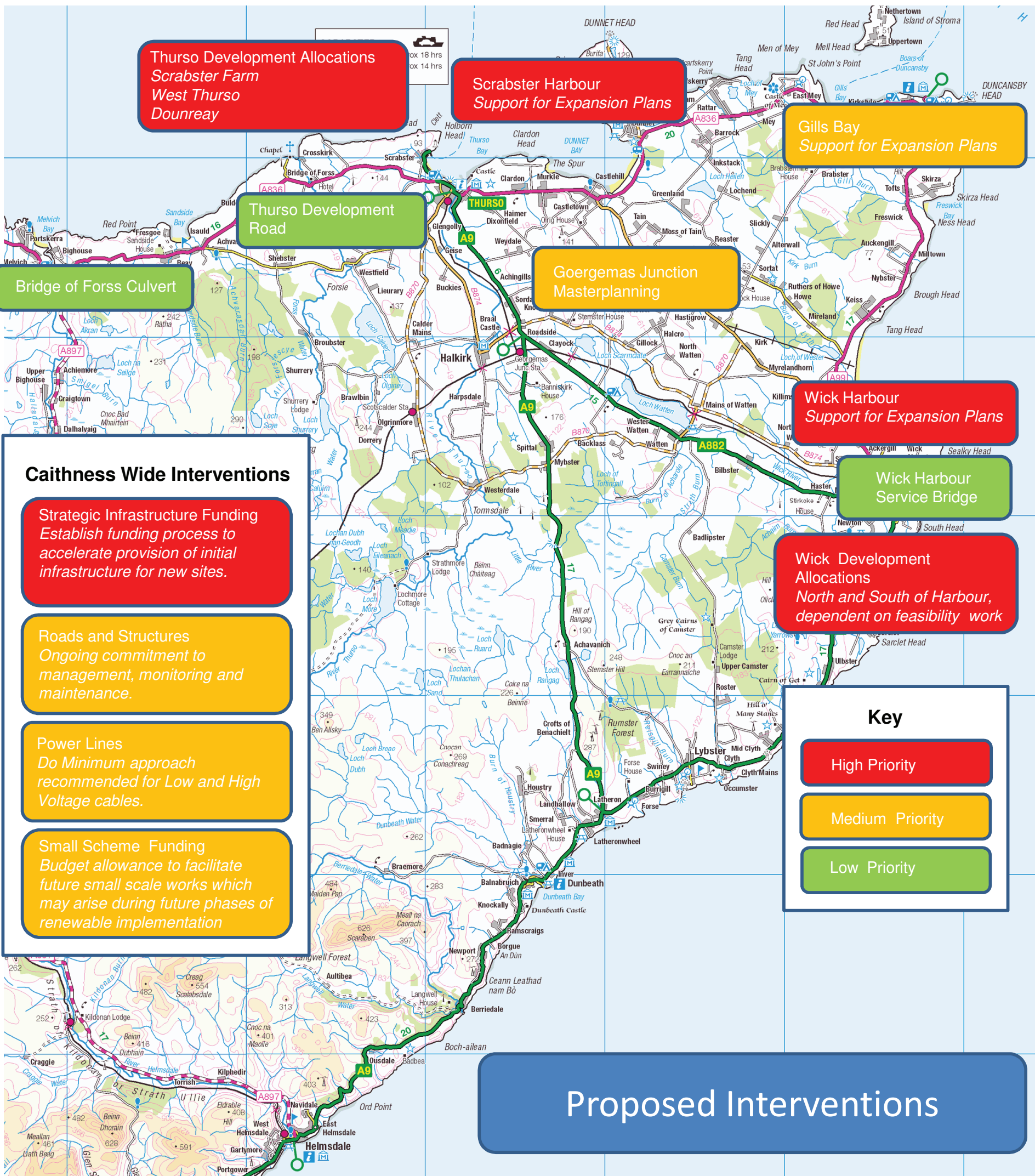
AECOM	
First Floor, 499 Union Street, Aberdeen, AB11 6DB	Tel: +44 (0) 1224 597 450 Fax: +44 (0) 1224 597 499 www.aecom.com
Design: P.F.	CAD: W.F.
Chk'd: A.R.	App'd: P.F.
Date: 20.12.11	Scale: 1:1000 @ A4
No. APPENDIX D	
Rev: --	

F:\Admin\Staff\Andrew\Caithness\DRAWINGS

cm

Capabilities on project:
Transportation

Appendix E – Proposed Interventions



Caithness Wide Interventions

- Strategic Infrastructure Funding**
Establish funding process to accelerate provision of initial infrastructure for new sites.
- Roads and Structures**
Ongoing commitment to management, monitoring and maintenance.
- Power Lines**
Do Minimum approach recommended for Low and High Voltage cables.
- Small Scheme Funding**
Budget allowance to facilitate future small scale works which may arise during future phases of renewable implementation

Key

- High Priority
- Medium Priority
- Low Priority

Client: HITRANS & THE HIGHLAND COUNCIL

Project: CAITHNESS INTERNAL TRANSPORT CONNECTIVITY STUDY

Title: PROPOSED INTERVENTIONS

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Tel: +44 (0) 1224 597 450
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Chk'd:	PF	App'd:	PF
Date:	20.12.11	Scale:	NOT TO SCALE
No.	APPENDIX E		Rev:

A3

cm

Capabilities on project:
Transportation

Appendix F – Proposed Route of Thurso Bypass / Development Road

.Extract from Thurso Western Expansion Area, Development Brief, June 2003



Capabilities on project:
Transportation

Extract from Caithness Local Plan, The Highland Council, 2002

