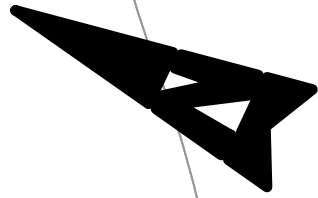
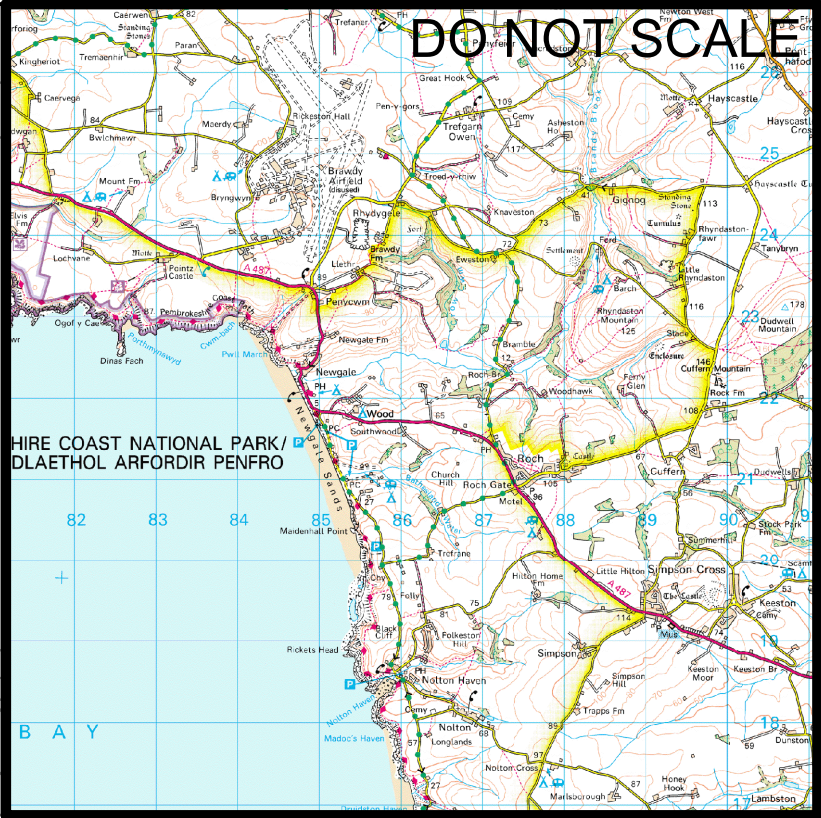


0 10 100
Millimetres



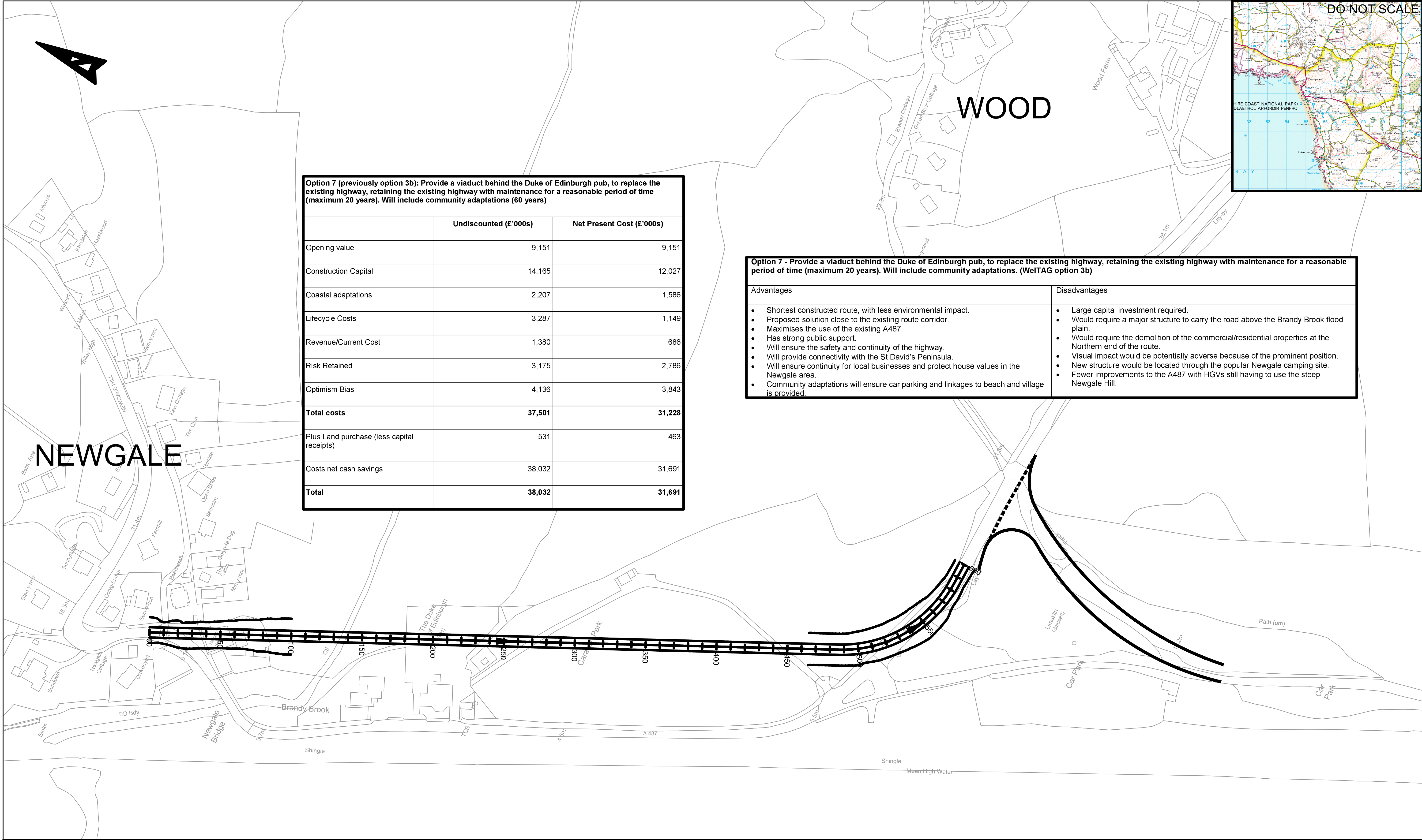
Option 7 (previously option 3b): Provide a viaduct behind the Duke of Edinburgh pub, to replace the existing highway, retaining the existing highway with maintenance for a reasonable period of time (maximum 20 years). Will include community adaptations (60 years)		
	Undiscounted (£'000s)	Net Present Cost (£'000s)
Opening value	9,151	9,151
Construction Capital	14,165	12,027
Coastal adaptations	2,207	1,586
Lifecycle Costs	3,287	1,149
Revenue/Current Cost	1,380	686
Risk Retained	3,175	2,786
Optimism Bias	4,136	3,843
Total costs	37,501	31,228
Plus Land purchase (less capital receipts)	531	463
Costs net cash savings	38,032	31,691
Total	38,032	31,691

Option 7 - Provide a viaduct behind the Duke of Edinburgh pub, to replace the existing highway, retaining the existing highway with maintenance for a reasonable period of time (maximum 20 years). Will include community adaptations. (WelTAG option 3b)	
Advantages	Disadvantages
<ul style="list-style-type: none">• Shortest constructed route, with less environmental impact.• Proposed solution close to the existing route corridor.• Maximises the use of the existing A487.• Has strong public support.• Will ensure the safety and continuity of the highway.• Will provide connectivity with the St David's Peninsula.• Will ensure continuity for local businesses and protect house values in the Newgale area.• Community adaptations will ensure car parking and linkages to beach and village is provided.	<ul style="list-style-type: none">• Large capital investment required.• Would require a major structure to carry the road above the Brandy Brook flood plain.• Would require the demolition of the commercial/residential properties at the Northern end of the route.• Visual impact would be potentially adverse because of the prominent position.• New structure would be located through the popular Newgale camping site.• Fewer improvements to the A487 with HGVs still having to use the steep Newgale Hill.



NEWGALE

WOOD



	SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION											Drawing Status	WORK IN PROGRESS	Suitability	SO	Project Title			NEWGALE BEACH ROAD					
	In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:											ATKINS	West Glamorgan House 12 Orchard Street Swansea SA1 5AD Tel: +44 (0)1792 641172 Fax: +44 (0)1792 472019 www.atkinsglobal.com			Drawing Title						OPTION 3B PLAN AND PROFILE DRAWING		
	CONSTRUCTION																							
	NONE																							
	MAINTENANCE/CLEANING																							
	NONE																							
	DECOMMISSIONING/DEMOLITION			C	16/02/17	SECOND REVISION			S.W.	R.M.	D.F.	Client							Scale	Designed	Drawn	Checked	Authorised	
	NONE			B	18/10/2016	FIRST REVISION			S.W.	C.R.	C.R.								Original Size	Date	Date	Date	Date	
				A	21/08/2016	FIRST ISSUE			S.W.	C.R.	C.R.								A1	16/02/17	16/02/17	16/02/17	16/02/17	
	It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement			Rev.	Date	Description			By	Chk'd	App'd							Drawing Number	20160152-XX-ZZ-ATK-DR-D-2005		Revision		P1.2	