TABLE B - NORTHBROOK ARROWTOWN: EFFECTS ASSESSMENT AND RELEVANT OBJECTIVES AND POLICIES

Description of effect	Effects Assessment	Degree to which the effect is adverse	Relevant Objectives and Policies (QLD0
Effects on landscape and visual amenity values, when viewed from public locations including roads (Arrowtown- Lake Hayes Road and Speargrass Flat Road) and a public walkway adjacent to the site	A Landscape Assessment has been prepared by Patch Limited (landscape and visual amenity specialists) to assess the effects of the project on landscape character and visual amenity values. In respect to the effects of the development on landscape and visual amenity values, the Report concludes (on the basis that the proposal seeks to retain parts of the site which are more sensitive to development in their existing open pastoral or vegetated character and seeks to protect vegetated areas within VPA 4 and existing trees in VPAs 7 and 10): • These well considered open and vegetated areas will avoid and mitigate potential visual effects of the proposal; and • will maintain the visual amenity of the landscape, particularly from public places.	Less than minor adverse effects on landscape character and less than minor adverse effects on visual amenity values due to the retention of large open space areas, retention of existing vegetation, and new landscaping.	Queenstown Lakes District Council – O Objective 4.2: candscape and Visual Ame Policies 1, 4, 6, 7, 8 and 17 Objective 4.9: Urban Growth (page 15) Policy 11 Chapter 5 Objective 3: Character and Landscape Val Policies 1, 1, 1.4, 1.6, 1.7, 1.8 Objective 3: Rural Amenity (page 23) Policy 3.3 Queenstown Lakes District Council – P Strategic Objectives Objective 6.3.1 Rural landscape Categoris Policies 6.3.1.4, 6.3.4.9 Queenstown Lakes District Council – P Landscape and Rural Character Objective 6.3.1 Rural landscape Categoris Policies 6.3.1.4, 6.3.4.9 Queenstown Lakes District Council – P -Wakatipu Basin Objective 24.2.1: Landscape Character (p Policies 24.2.1.2. 24.2.1.3, 24.2.1.4, 24.2. Otago Regional Council – Otago Polic 2019 Version – Chapter 4 – Communit healthy Objective 4.5: Urban growth and develop Policy 4.5.1 The proposal meets or is consistent with landscape and visual amenity values.
Effects on the rural and rural-residential amenity values of nearby properties	A Landscape Assessment has been prepared by Patch Limited (landscape and visual amenity specialists) to assess the effects of the project on landscape character and visual amenity values. In respect to the effects of the development on the rural and rural-residential amenity values of nearby properties, the Assessment concludes (on the basis that the proposal seeks to establish a pocket of urban character within a discrete landscape unit featuring a diverse set of landscape characters)	No more than minor adverse effects; generous setbacks (50m) and landscaping are provided between the development and neighbouring properties.	Queenstown Lakes District Council – O Objective 3: Rural Amenity (page 23) Policy 3.3 Queenstown Lakes District Council – P Urban Development Objective 4.2.2 B Queenstown Lakes District Council – P -Wakatipu Basin Objective 24.2.1: Visual Amenity Values (p

¹ Page number references relate to full objective and policy analysis, available on request.

DC & ORC)¹ Operative District Plan – Chapter 4 menity (page 5) Value (page 21) Proposed District Plan – Chapter 3 – Proposed District Plan – Chapter 6 – risation (page 55) Proposed District Plan – Chapter 24 (page 56) .2.1.9, 24.2.1.11, olicy Statement – Partially Operative nities in Otago are resilient, safe and pment is well designed (page 82) th the objectives and policies relating to Operative District Plan - Chapter 5 Proposed District Plan – Chapter 4 – Proposed District Plan – Chapter 24 s (page 56)

Description of effect	Effects Assessment	Degree to which the effect is adverse	Relevant Objectives and Policies (QLDC
	• the urban effects of the proposal will be well		Policy 24.2.1.12
	contained within a foil of vegetation and landform such that the visual and character effects of the		Policies 24.2.2.1, 24.2.2.2, 24.2.2.3,
	urban area will not spread beyond the boundaries		Objective 24.2.3 Reverse Sensitivity (page
	of the site.the proposal will result in no more than low		Policies 24.2.3.2, 24 2.3.4
	adverse effect the landscape character values of the Speargrass Flat LCU8 and will result in very low adverse effects on visual amenity.		The proposal is consistent with the object rural residential amenity values form neigh
Traffic effects	 A Transportation Assessment has been prepared by Carriageway Consulting (traffic engineering and transport planning specialists) to assess the transportation and traffic related effects arising from the project. The Assessment considers traffic generation and distribution, effects on the wider roading network, access to the site, effects on the existing (recently constructed) road access within the site, non-car modes of travel, road safety, provision for connection to public transport, and matters of detail such as sight distances, road widths, parking and loading. In respect to the traffic effects of the development, the Assessment concludes: The traffic generated by the development can be accommodated on the adjacent roading network without capacity or efficiency issues arising. Changes in queuing and delay at the closest intersection are negligible. The proposed site layout has non-compliances with several transportation Rules of the Proposed District Plan, and there are also non-compliances in the same technical areas when the Site Standards of the operative District Plan are considered that these will give rule to adverse effects that are more than miror. Overall, the proposed development can be supported from a trafin and transportation reasons were considered to the granted to the support of the granted to the support of the site of the divelopment of the support of the support of the site of the operative District Plan are considered that these will give rule transportation granted to the support of the transportation reasons were considered to the granted to the support of the granted to the gra	No more than minor adverse effects; access road already exists and the adjacent roading network capacity to accommodate the additional ver- movements proposed by the development.	has Transport
			Policies, 29.2.1.1, 29.2.1.5,
			Objective 29.2.2: Parking, loading, onsite r
			Policies 29.2.2.1, 29.2.2.8, 29.2.2.11
			Objective 29.2.3 Roads that facilitate growt

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Operative District Plan – Chapter 14 –

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Proposed District Plan – Chapter 4 –

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Proposed District Plan – Chapter 24

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Proposed District Plan – Chapter 29

ficient transport network (page 66)

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wth (page 72)

Description of effect	Effects Assessment	Degree to which the effect is adverse	Relevant Objectives and Policies (QLDC & ORC) ¹
			Policies 29.2.3.1, 29.2.3.2, 29.2.3.3, 29.2.3.7
			Objective 29.2.4 Integrated approach to managing the transport network (page 73)
			Policies 29.2.4.3, 29.2.4.4, 29.2.4.6
			Otago Regional Council – Otago Policy Statement – Partially Operative 2019 Version – Chapter 4 – Communities in Otago are resilient, safe and healthy
			Objective 4.3: Infrastructure is managed and developed in a sustainable way (page 81) Policy 4.3.1 The proposal is consistent with the objectives and policies relating to
		• •	transportation
Effects during construction of the project	A draft Construction Management Plan ("CMP") has been prepared to address the potential effects which may arise from the construction of the proposed development. The	Less than minor adverse effects; will be managed through a CMP (approved and implemented through conditions of consent).	Earthworks
	CMP provides the framework and parameters within which		Objective1: Énabling Earthworks (page 35)
	the construction activities associated with the development of the proposed retirement village can be managed in order		Policies 1.1, 1.2, 1.3, 1.4, 1.5
	to mitigate the actual and potential construction effects.		Objective 2: Avoid, Remedy or Mitigate adverse effects on landscapes (page 36) Policies 2.2, 2.3, 2.4
	All works will be carried out by experienced Tier 1 contractors who are proficient in carrying out bulk		Objective 3 – Ensure earthworks do not adversely affect stability of land, flooding
	earthworks in compliance with all necessary environmental		(page 36)
	and regulatory requirements.		Policies 3.1, 3.2, 3.3
	The construction effects of the development will be less than minor if carried out in accordance with the		Objective 6: Maintain and improving waterways (page 37)
	Construction Management Plan (and corresponding		Policies 6.1, 6.2
	conditions of consent).		Queenstown Lakes District Council – Proposed District Plan – Chapter 24 –Wakatipu Basin
			Objective 24.2.1: Landscape Character (page 56)
			Policies 24.2.1.9
			Queenstown Lakes District Council – Proposed District Plan – Chapter 25 – Earthworks
			Objective 25.2.1 Earthworks minimising adverse effects (page 61)
			Policies 25.2.1.1, 25.2.1.2, 25.2.1.3, 25.2.1.4, 25.2.1.5, 25.2.1.6, 25.2.1.7, 25.2.1.8, 25.2.1.9, 25.2.1.10, 25.2.1.11
			Objective 25.2.2 (page 63)
			Policy 25.2.2.1
			Otago Regional Council – Otago Regional Plan: Water
			7C Policies for stormwater (page 97),
			7.C.7, 7.C.8, 7.C.9,.
			The proposal and the proposed construction management of the site will ensure that the objectives and policies for the earthworks are met.
Geotechnical hazards	A Geotechnical Assessment has been prepared by GeoSolve Limited (geotechnical specialists) to assess all aspects of surface, subsurface and groundwater conditions, and addresses any potential liquefaction	Less than minor adverse effects; building foundations to be reviewed by geotechnical engineer during detailed design phase	Queenstown Lakes District Council – Proposed District Plan – Chapter 28 – Natural Hazards
			Objective 28.3.1 Risk to people and built environment (page 64)
	hazard, potential settlement issues and foundation		Policies 28.3.1.1, 28.3.1.2

Description of effect	Effects Assessment	Degree to which the effect is adverse	Relevant Objectives and Policies (QLDC & ORC) ¹
	 requirements, and considers matters of detail such as excavations and retentions, engineered fill slopes, slope stability considerations, earthworks and groundwater considerations, flooding risk and alluvial fan hazard risks. In respect to the geotechnical effects of the development, the Report concludes: The stratigraphy is relatively consistent across the proposed development area, this enables efficient development of the Site. The results of the liquefaction analyses indicate that in general the subject Site is expected to suffer negligible effects under Serviceability Limit State (SLS) events and ground deformations within typical structural limits under the Ultimate Limit State (ULS) event. The risk of liquefaction is low. The preliminary assessment indicates that standard engineering solutions are available to ensure construction can be completed adjacent to crest areas. An alluvial fan risk is identified on the QLDC hazard mapping. The risk to the development from debris flow or flooding associated with the alluvial fan hazard is assessed to be very low. Surface run-off directly from the hills to the north is expected and a small diversion of the run-off to address this issue has been recommended and incorporated into the 		Objective 28.3.2: Development on land subject to hazards (page 65) Policies 28.3.2.1, 28.3.2.2, 28.3.2.3 Objective 28.3.3: Community Awareness (page 66) Policies 28.3.3.2, 28.3.3 Otago Regional Council – Otago Policy Statement – Partially Operative 2019 Version - Chapter 4 – Communities in Otago are resilient, safe and healthy Objective 4.1 Risks that natural hazards posed are minimised (page 81) Objective 4.5: Urbangrowth and development is well designed (Page 82) Policy 4.5.3 The proposal is consistent with the objectives and polices relating to geotechnical hazards
Effects on the Council's reticulated services	 landscape design. A 'Water, Wastewater, and Stormwater Infrastructure and Flood Assessment' has been prepared by Fluent Infrastructure Solutions Limited which addresses the infrastructure requirements of the development including the available capacity in Council's reticulated potable water supply and wastewater network and the ability for the development to connect to those reticulated services. The Report concludes the Council's services have sufficient capacity to accommodate the development and notes: All wastewater generated on Site will be delivered to the reticulation within the Arrowtown - Lake Hayes Road by the new/ installed wastewater reticulation alongside Ayr Avenue (within the Site). The water supply will be from the existing water main in the Arrowtown - Lake Hayes Road and the water main which has been installed alongside Ayr Avenue to service the consented Waterfall Park Hotel development. The systems have adequate capacity to service the combined demands of the consented Waterfall Park Hotel Park Hotel and proposed Northbrook Retirement Village developments, and there will be no adverse effects on the systems, or any other environmental effects, in relation to the water supply to and wastewater disposal from the development. 	No adverse effects as the Council's services have sufficient capacity for the development	Queenstown Lakes District Council – Operative District Plan – Chapter 15 Subdivision, Development, and Financial Contributions Objective 1: Servicing (page 32) Policies 1.5, 1.6, 1.8, 1.9, 1.10 Cost of Services to be met by developers (page 33) Policies 2.1 and 2.2 Queenstown Lakes District Council – Proposed District Plan – Chapter 3 – Strategic Objectives Objective 3.2.1: The development of a prosperous, resilient, and equitable economy (page 39) Policy 3.2.1.9 Queenstown Lakes District Council – Proposed District Plan – Chapter 4 – Urban Development Objective 4.2.2.A Compact and well designed urban form (page 49) Queenstown Lakes District Council – Proposed District Plan – Chapter 24 – Wakatipu Basin Objective 24.2.4 (Subdivision and Development) (page 59) Policies 24.2.4.5 Otago Regional Council – Otago Policy Statement – Partially Operative 2019 Version – Chapter 4 – Communities in Otago are resilient, safe and healthy Objective 4.3: Infrastructure is managed and developed in a sustainable way (page 81)

Description of effect	Effects Assessment	Degree to which the effect is adverse	Relevant Objectives and Policies (QLDC & ORC) ¹
			Policy 4.3.1
			The proposal is consistent with the objectives and policies relating to infrastructure servicing.
Stormwater and flood management effects	 A Water, Wastewater, and Stormwater Infrastructure and Flood Assessment has been prepared by Fluent Infrastructure Solutions Limited which addresses the infrastructure requirements of the development, including stormwater (treatment and attenuation) and the management of flooding. The report concludes Mitigation measures proposed are adequate to ensure that stormwater discharge from the road will be in compliance with rule 12.B.1.8 of the RPW and the effects on Mill Creek will be less than minor. Implementation of the Earthworks Management Plan and Erosion and Sediment Management Plan will ensure compliance with rule 12.C.1.1 of the Regional Plan: Water during the earthworks period. Minimum floor levels are proposed to ensure buildings have sufficient freeboard. Post-development flows at the downstream boundary of the Site are relatively unchanged in the 20yr and 100yr ARI events and there is a decrease in peak discharge flows. In the 2yr ARI event there is a small increase in peak flow (from local stormwater) which is considered to have minimal practical effect in Mill Creek Mill Creek flood flow that would occur hours after regardless of the Retirement Village. 	No adverse effects as sufficient capacity within the site to manage storm and flood waters with no downstream effects	Queenstown Lakes District Council – Proposed District Plan – Chapter 28 – Natural Hazards Objective 28.3.2: Development on land subject to hazards (page 65) Policies 28.3.2.1, 28.3.2.2, 28.3.2.3, 28.3.2.4, Otago Regional Council – Otago Regional Plan: Water Objective 7.A.3 (page 93) 7B Policies General (page 93) Policies 7.B.1, 7.B.2, 7.B.3, 7.B.4, 7.B.5, 7.B.6, 7.B.7, 7.B.8 7C Policies for stormwater (page 97), Policies 7 C.1, 7.C.2, 7.C.3, 7.C.4, 7.C.5, The proposal is consistent with the objectives and policies relating stormwater.
Effects on groundwater resources of the site and wider environs	A Groundwater Assessment has been prepared by J K Rekker Consulting Limited (hydrogeological specialist) which addresses climate, soils, geology, hydrology, groundwater conditions, land use distribution, water quality, nutrient mass loads, and the extent to which all of those factors affect the geometry, replenishment, nydraulic properties, water balance and nutrient mass balance of the relevant groundwater aquifer. The Assessment concludes that the construction of the proposal will not affect any aquifer and on balance the groundwater effects are positive from the change of landuse from farming to residential.	No adverse effects as construction will not affect any aquifer. On balance, groundwater effects are positive from the change of landuse from farming to residential.	Otago Regional Council – Otago Regional Plan: Water Objective 7.A.1, 7.A.2, 7.A.3 (page 93) 7B Policies General (page 93) Policies 7.B.1, 7.B.3, 7.B.7, 7.B.8 The proposal is consistent with the objectives and policies relating to groundwater resources.
Effects on ecological values within the site and the wider environs including aquatic values of tributaries to Lake Hayes and Lake Hayes itself	An Ecological Assessment has been prepared by Ryder Environmental Limited (ecological specialists) and assess the potential effects of the project on those existing aquatic values and bird species and the extent to which they may change as a result of the project. The report concludes that the effects on aquatic ecological values within the site and wider environs are positive due to the proposed riperion investitation and protection and	No more than minor adverse effects. On balance, effects on aquatic ecological values within the site and wider environs are positive due to the proposed riparian revegetation and protection and change of land use from farming to residential.	Queenstown Lakes District Council – Proposed District Plan – Chapter 3 – Strategic Objectives Objective 3.2.4 Distinctive natural environments (page 41) Policies 3.2.4.1, 3.2.4.3, 3.2.4.4. Policy 3.3.26 Queenstown Lakes District Council – Proposed District Plan – Chapter 24
	to the proposed riparian revegetation and protection and change of land use from farming to residential.		–Wakatipu Basin
			Objective 24.2.4 (Subdivision and Development) (page 59)
			Policies 24.2.4.1, 24.2.4.2, 24.2.4.9

Description of effect	Effects Assessment	Degree to which the effect is adverse	Relevant Objectives and Policies (QLDC & ORC) ¹
			Otago Regional Council – Otago Policy Statement – Partially Operative 2019 Version - – Chapter 1 – Resource Management in Otago is Integrated
			Objective 1.2 Integrated management (Page 80)
			Policy 1.2.1
			Otago Regional Council – Otago Policy Statement – Proposed Versio
			following mediation/consent order dated 15 March 2019
			Objective 3.1 Values of ecosystems (page 87)
			Policies 3 1.1, 3.1.2, 3.1.7, 3.1.9,
			Objective 3.2 Highly valued natural resources are identified and protected (page 8
		•	Policy 3.2.14, 3.2.16,
			Otago Regional Council – Otago Regional Plan: Water
			Objective 7.A.1 , 7.A.2
		$O_{\mathbf{y}}$	The proposal is consistent with and supports the objectives and policies relating freshwater ecology.
Soil contamination risks	A Soil Contamination Assessment has been prepared by	No adverse effects as potential contaminat	
	Environmental Consultants Otago Limited (contaminated site specialists) to assess all soil contamination related	sources have been remediated.	
	effects arising from the project. That Assessment		
	summarises the Preliminary Site Investigation and Detailed Site Investigation previously prepared and the subsequent		
	remediation earthworks which have been carried out, in		
	addition to providing some additional sampling results undertaken in May 2020.		
	The assessment concludes it is highly unlikely that use of		
	the land as a retirement village will present a risk to human		
	health as a result of soil contamination.		
Effects on heritage values	A Heritage Assessment has been prepared by Origin Consultants which addresses the impacts of the proposal	No adverse effects as no known heritage item	s or Queenstown Lakes District Council – Operative District Plan – Chapter 13
	on the listed heritage features on the site. The report	accidental discovery protocols will be adopted.	Objective 1: Heritage Values (Page 25)
	concludes:		Policies, 1.1, 1.2, 1.5
	The proposed retirement village complex is some distance from the Category 2 Listed Heritage	\mathbf{A}	Objective 2: Heritage Trees (Page 26)
	Features of the Ayrburn Homestead and Stone	O	Policies 2.1, 2.2
	Farm Buildings and therefore the development is not within the extent of place of these listed		Queenstown Lakes District Council – Proposed District Plan – Chapter 3 –
	buildings. Therefore, the proposed development should not trigger the PDP rule in 26.5.9.		Strategic Objectives Objective 3.2.3 A quality built environment (page 41)
	 The proposal to create Vegetation Protection Area 		Policy 3.2.3.1
	7.b and Open Pastoral Areas 2-4 (East Paddocks), will have a very positive effect on retention of the		Policy 3.2.5.1 Policy 3.3.16
	historic landscape views of Ayrburn Homestead and its tree-lined avenue from the Arrowtown-Lake		
	Hayes road.		Queenstown Lakes District Council – Proposed District Plan – Chapter 26 – Historic Heritage
	An Archaeological Authority was approved by Heritage New Zealand for earthworks for residential and commercial		Objective 26.3.1 Historic Heritage is recognised (page 63)
	development at Ayrburn Farm, Lake Hayes Road,		Otago Regional Council – Otago Policy Statement – Partially Operative
	Arrowtown. The Authority allows earthworks which may affect subsurface features relating to the pastoral history of		2019 Version – Chapter 5 – People are able to use and enjoy Otago's natural and built environment

Description of effect	Effects Assessment	Degree to which the effect is adverse	Relevant Objectives and Policies (QLDC & ORC) ¹
			The proposal is consistent with supports the objectives and policies relating to heritage. The heritage items are not compromised by the development.
Effects from lighting	A Lighting Assessment has prepared by XYST Limited (lighting specialists) to assess all lighting related effects arising from the project. The assessment concludes that the effects of lighting on the night sky, and when viewed from beyond the site will be less than minor.	Less than minor adverse effects of lighting on night sky, and when viewed from beyond the site.	Queenstown Lakes District Council – Proposed District Plan – Chapter 4 – Urban Development Objective 4.2.2.B Urban Development (page 49) Policies 4.2.2.10 Queenstown Lakes District Council – Proposed District Plan – Chapter 24 – Wakatipu Basin Objective 24.2.1: Landscape Character (page 56) Policies 24.2.1.12 The proposal is consistent with supports the objectives and policies relating to lighting.
Effects from noise	A Noise Assessment has been prepared by Marshall Day Acoustics Limited (noise specialists) to assess all noise related effects arising from the project. The Assessment concludes that due to distance from any potential noise receivers in the surrounding area, there are no adverse noise effects associated with the proposal.	No adverse effects due to distance from any potential noise receivers in the surrounding area	Queenstown Lakes District Council – Proposed District Plan – Chapter 36 –Noise Objective 36.2.1: Adverse effects of Noise (page 78) Policies 36.2.1.1, 36.2.1.2 The proposal is consistent with supports the objectives and policies relating to noise
Economic effects	An Economic Assessment has been prepared by Market Economics Limited (economic specialists) which contains a detailed consideration of three different potential development scenarios for the site (farming, rural lifestyle development or retirement village development) and analyses all relevant economic outcomes, with a particular focus on GDP and employment. The Assessment concludes that the proposal results in positive effects for the district and region through the provision of quality retirement units for the increasing elderly population and the creation of employment (during both construction and in the operation of the village, medical and childcare facilities).		Queenstown Lakes District Council – Proposed District Plan – Chapter 3 – Strategic Objectives Objective 3.2.1 the development of a prosperous, resilient, and equitable economy (page 39) Polices 3.2.1.5, 3.2.1.6 Queenstown Lakes District Council – Proposed District Plan – Chapter 3 – Strategic Polices Policies 3.3.3, 3.3.6, 3.3.9, 3.3.10 (page 44) Otago Regional Council – Otago Policy Statement – Partially Operative 2019 Version - – Chapter 1 – Resource Management in Otago is Integrated Objective 1.1: Resources are used sustainably (page 79) Policy 1.1 Otago Regional Council – Otago Policy Statement – Partially Operative 2019 Version - – Chapter 5 – People are able to use and enjoy Otago's natural and built environment Objective 5.3: Sufficient land is managed and protected for economic production (page 85) Policies 5.3.1, 5.3.2 The proposal is consistent with supports the objectives and policies relating to supporting the economy.