

Project background

Grant funding of \$12,500,000 has been provided to SVC through the Bushfire Local Economic Recovery Fund for the design and construction of improvements to the Tumut Aerodrome.

The Tumut Aerodrome is a vital piece of infrastructure that services the region and is a primary asset for aerial firefighting.

The current facilities at Tumut Aerodrome require significant upgrades to ensure they meet current demands and serve the community to an acceptable standard.

The overarching objective of the project is to undertake and upgrade of the Tumut Aerodrome to provide infrastructure that supports the operations of the facility.

The objectives are further broken down as follows:

Construction of:

- Additional sealed taxiways
- Drainage Works
- Upgrade to Airside animal proof fencing
- Lengthen & Upgrade Runway Pavements
- Lighting and PAL Control Systems
- Precision Approach Path Indicator (PAPI)
- Apron Extension

Project Scope

Runway Extension

Currently, the short runway at Tumut Airport (1060 m) limits local business utilisation of the aerodrome as well as restricting the provision or performance of essential and emergency services. Following Snowy Valleys Council's consultation with RFS and RFDS, a runway extension to a length of approximately 1300 m has been determined.

Three different options for the Runway Extension at Tumut Airport have been prepared. Each of these options will be evaluated according to the agreed design aircraft. Recommendations will be made regarding the compliance of the proposed developments with MoS Part 139.

Taxiway and Apron Assessment

Congestion issues have been reported on the apron, during high-traffic events such as aerial firefighting events. Therefore, additional apron space is proposed, this will improve the safety and the efficiency of the operations at Tumut Airport.

The proposed taxiway and apron development will be assessed in the same way as the runway extension. MoS Part 139, specifies standards regarding taxiways, aprons, slope of the taxiways and minimum clearance between aircraft. These will all be considered while assessing the development plans.

Obstacle Limitation Surfaces

After receiving information from the Council regarding structures and known obstacles in the vicinity of the aerodrome, the impact of the changes to the OLS surfaces associated with the runway extension and associated infrastructure

will be analysed. OLS surfaces that will be assessed include (but are not limited to): Approach Surface, Take-Off Surface and Transitional Surface as specified in MoS Part 139.

Airfield Ground Lighting

Currently, Tumut Airport is not equipped with full functioning Airfield Ground Lighting (AGL). This makes it impossible to operate during low visibility (poor weather, night times). As part of the runway extension project, the aerodrome will be equipped with both AGL and Precision Approach Path Indicator (PAPI). Thereby increasing service and safety. Standards for AGL are covered in the MoS Part 139 Chapter 9.

Fencing

As part of the project, the fencing around the aerodrome will be inspected and extended. The fences should be in good condition to avoid access to the aerodrome by people and animals as they pose a risk to aircraft safety.

Drainage

Additional drainage infrastructure will be required to protect the proposed apron, taxiway and runway pavements, as well as preserve the existing drainage patterns on the site.

Tumut Aerodrome is situated on silty, clayey river flats with poor soil drainage properties. Drainage improvements will result in a safer, more sustainable, and more capable all-weather aerodrome, as well as improved layout functionality.

Achievements to date

The following activities have been completed to date:

- Ongoing consultation with CASA following rejection of the grandfathering provisions request.
- Revision of 2x Safety Cases and re-submission to CASA
- Revision to the Obstacle Limitation Survey in progress following feedback from CASA
- Environmental consultant appointed
- Acoustic baseline monitoring completed
- Legal drafting of Deed for Access completed and endorsed by SVC Executive
- Interactive meetings scheduled for early 2022 (due to Christmas holidays)
- Specialist consultant engineers (Civil / Hydraulic / Flood) appointed
- Flood analysis underway – has highlighted the need for additional survey information in sensitive areas where LIDAR data not sufficient
- Quotations currently being sought for required survey data collection
- Site inspection with specialist consultant engineers booked for Jan22
- Quotations received for pavement design
- Reprogramming completed to enable additional duration to allow detailed investigations and design works to be completed
- Aviation consultant engaged
- Options analysis for the runway extension completed (Northern expansion preferred)
- Concept design complete
- Stakeholder consultation commenced
- Completion of property ownership investigation.
- Property manager appointed for the compulsory acquisition process
- Early access deed drafted
- Property acquisition start-up workshop completed

- Aeronautical Ground Lighting (AGL) contractor appointed
 - PAL
 - PAPI
- Geotechnical brief completed
- Quotations received for Geotechnical investigation
- On-site activities subject to early access agreements
- Environmental consultant engaged
- On-site activities subject to early access agreements
- CASA engagement continuing

Expenditure to date / financial commitments

CTD: \$153,238

Commitments: \$1,036,354

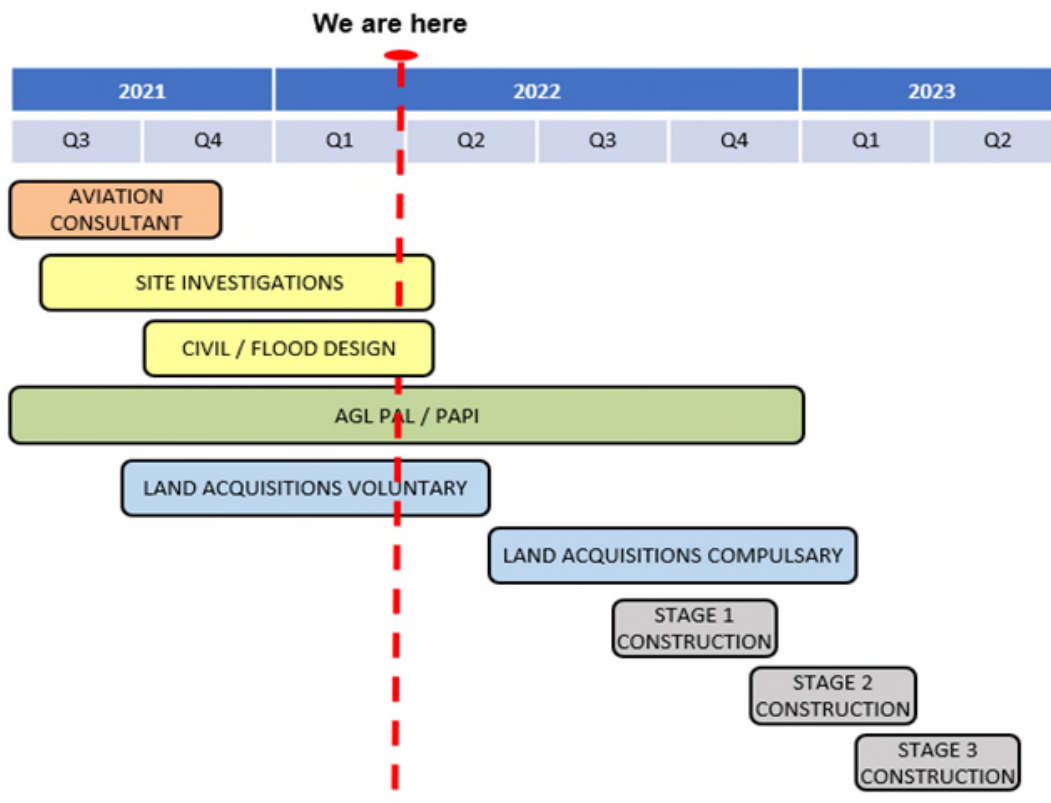
Snowy Valleys Council												
Works Project transaction Report: 520495 BLE8495 Tumut Aerodrome Improvement Work												
Date Report Run: 3/03/2022												
Work Order Transaction Listing												
Doc Date	Period	Doc Ref	Narration 1	Narration 2	Transaction Type	Resource Group Code	Resource Name	Resource Code	Units	Unit Rate	Amount	Cost Account
Work Order 5204951998 BLE8495 Functional Design											153,069.85	
44312	10	GJ007928	Avalon Projects Invoice - 1438	Correct KP	Actual	NON STOCK	Consultants	CONSULTANT	0.00	0.00	3,390.00	520495190061304
44320	11	INV-1484	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	3.00	4,100.43	12,277.65	520495190061304
44329	11	GJ007928	Avalon Projects - Inv 1466		Actual	NON STOCK	Consultants	CONSULTANT	0.00	0.00	447.32	520495190061304
44368	12	GJ007928	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	5,630.00	520495190061304
44362	12	INV-1434	SWC OH Allocation-KP Tasks		Actual	NON STOCK	Marketing & Adverts	MARKING ADV	1.00	168.80	168.80	520495190061304
44363	12	INV-1484	SWC OH Allocation-KP Tasks		Actual	NON STOCK	Consultants	CONSULTANT	0.00	2,280.00	2,280.00	520495190061304
44363	12	INV-1484	SWC OH Allocation-KP Tasks		Actual	NON STOCK	Consultants	CONSULTANT	0.00	3,278.10	3,278.10	520495190061304
44364	12	INV-1434	SWC OH Allocation-KP Tasks		Actual	NON STOCK	Consultants	CONSULTANT	0.00	3,674.85	3,674.85	520495190061304
44364	12	INV-1434	SWC OH Allocation-KP Tasks		Actual	NON STOCK	Consultants	CONSULTANT	0.00	3,239.42	3,239.42	520495190061304
44365	12	INV-1484	SWC OH Allocation-KP Tasks		Actual	NON STOCK	Consultants	CONSULTANT	0.00	3,235.52	3,235.52	520495190061304
44370	12	GJ007983	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	1,994.25	520495190061304
44371	12	INV-1484	SWC OH Allocation-KP Tasks		Actual	NON STOCK	Consultants	CONSULTANT	0.00	22,628.00	22,628.00	520495190061304
44371	12	INV-1484	SWC OH Allocation-KP Tasks		Actual	NON STOCK	Consultants	CONSULTANT	0.00	1,800.00	1,800.00	520495190061304
44377	12	GJ008046	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	1,848.26	520495190061304
44378	1	GJ008630	PORTABLE FUEL TANK ALLOCATION FINE 21	A FINE/FLY FUEL CARD	Actual	NON STOCK	Materials - General	MATERIALS	83.37	0.00	83.37	520495190061304
44398	1	G7437			Actual	NON STOCK	Marketing & Adverts	MARKING ADV	1.00	530.10	493.23	520495190061304
44398	1	G7437			Actual	NON STOCK	Marketing & Adverts	MARKING ADV	1.00	325.62	296.62	520495190061304
44401	1	INV-1434			Actual	NON STOCK	Consultants	CONSULTANT	0.00	3,646.85	3,646.85	520495190061304
44401	1	INV-1434			Actual	NON STOCK	Consultants	CONSULTANT	0.00	4,287.94	4,287.94	520495190061304
44401	1	GJ007928	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	1,042.23	520495190061304
44401	2	INV-1434			Actual	NON STOCK	Consultants	CONSULTANT	0.00	4,033.45	4,033.45	520495190061304
44401	2	INV-1434			Actual	NON STOCK	Consultants	CONSULTANT	0.00	4,022.85	4,022.85	520495190061304
44401	2	GJ007980	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	904.96	520495190061304
44401	3	INV-1434			Actual	NON STOCK	Consultants	CONSULTANT	0.00	5,182.44	5,182.44	520495190061304
44401	3	INV-1434			Actual	NON STOCK	Consultants	CONSULTANT	0.00	5,200.19	5,200.19	520495190061304
44401	3	INV-1434			Actual	NON STOCK	Consultants	CONSULTANT	0.00	5,667.20	5,667.20	520495190061304
44401	3	GJ007928	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	2,108.59	520495190061304
44401	4	INV-1434			Actual	NON STOCK	Consultants	CONSULTANT	0.00	5,712.79	5,712.79	520495190061304
44401	4	INV-1434			Actual	NON STOCK	Consultants	CONSULTANT	0.00	4,589.25	4,589.25	520495190061304
44401	4	GJ008854	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	1,236.24	520495190061304
44406	5	5205106/13/2021/80/1		DETAILED COST POSTING	Actual	OVERNILE2	Works/Conting Natural Accounts	WORKS	3.50	9,404	81.06	520495190061304
44406	5	5205106/13/2021/80/1		DETAILED COST POSTING	Actual	FLBET	Toyota Hilak SR.1/Cab 4x4 2000	6557	20.00	27.02	540.39	520495190061304
44511	5	AR2021-08699	Tumut Aerodrome (VTM)	RWY 17/36 Non-Standard Strip	Actual	NON STOCK	Consultants	CONSULTANT	0.00	0.00	2,090.00	520495190061304
44519	5	GJ008940	Correct Overcharge P.E. 20/11/21	Cl/Anywhere incorrectly posted plant rate	Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	-82.78	520495190061304
44519	5	GJ008938	Correct Overcharge P.E. 20/11/21	Cl/Anywhere incorrectly posted plant rate	Actual	FLBET	Toyota Hilak SR.1/Cab 4x4 2000	6557	0.00	0.86	-523.19	520495190061304
44544	5	GJ008950	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	8.11	520495190061304
44544	5	GJ008946	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	370.59	520495190061304
44550	6	INV-1546			Actual	NON STOCK	Consultants	CONSULTANT	1.00	981.00	981.00	520495190061304
44559	6	INV-1546			Actual	NON STOCK	Consultants	CONSULTANT	0.00	4,422.85	4,422.85	520495190061304
44561	6	INV-1546			Actual	NON STOCK	Consultants	CONSULTANT	0.00	3,180.34	3,180.34	520495190061304
44561	6	INV-1546			Actual	NON STOCK	Consultants	CONSULTANT	0.00	3,468.88	3,468.88	520495190061304
44561	6	INV-1546			Actual	NON STOCK	Consultants	CONSULTANT	0.00	4,280.00	4,280.00	520495190061304
44567	6	INV-1546			Actual	NON STOCK	Consultants	CONSULTANT	0.00	5,188.00	5,188.00	520495190061304
44567	6	INV-1546			Actual	NON STOCK	Consultants	CONSULTANT	0.00	4,580.00	4,580.00	520495190061304
44561	7	INV-1557			Actual	NON STOCK	Consultants	CONSULTANT	0.00	1,990.00	1,990.00	520495190061304
44571	7	GJ009036	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	1,611.65	520495190061304
44581	7	GJ009087	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	235.20	520495190061304
44602	8	INV-1686			Actual	NON STOCK	Consultants	CONSULTANT	0.00	3,140.81	3,140.81	520495190061304
44602	8	INV-1686			Actual	NON STOCK	Consultants	CONSULTANT	0.00	2,640.00	2,640.00	520495190061304
44602	8	GJ009112	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	618.70	520495190061304
44614	8	INV-1687			Actual	NON STOCK	Consultants	CONSULTANT	0.00	3,030.71	3,030.71	520495190061304
Work Order 5204952008 BLE8495 Site Establishment											148.62	
44531	5	INV-17674			Actual	NON STOCK	Marketing & Adverts	MARKING ADV	1.00	186.00	130.31	520495190061304
44544	5	GJ008946	SWC OH Allocation-KP Tasks		Oncost	RECOVER	OH&AD Recovery	CONSULTANT	0.00	0.00	18.31	520495190061304
Total for Works Project 520495 BLE8495 Tumut Aerodrome Improvement Work											153,238.67	
Work Order Commitment Listing												
Purchase Order	Bank Order	Type	Description	Resource Group Code	Resource Name	Comm Amount	Cost Account	Work Order				
FW004827	4	DEL	Specialist Aerodrome Aviation Advice	NO N6 TOCK	CONSULTANT	3,800.00	520495190061304	5204951998				
IM005823	2	DEL	Tumut Aerodrome Improvements RP	NO N6 TOCK	CONSULTANT	6,342.00	520495190061304	5204951999				
FW005681	0	ORD	On-Site Hydraulic and Flood Analysis	NO N6 TOCK	CONSULTANT	349,000.00	520495190061304	5204951998				
FW006158	0	ORD	Project Management - Tumut Aerodrome	NO N6 TOCK	CONSULTANT	108,600.00	520495190061304	5204951999				
IM005682	0	ORD	FAL/PAP Tender Specification	NO N6 TOCK	CONSULTANT	13,970.00	520495190061304	5204951998				
IM007356	2	ORD	Preparation of Safety Case, Ground Light	NO N6 TOCK	CONSULTANT	3,700.00	520495190061304	5204951998				
IM005824	0	ORD	Aerodrome - Management land acquisition	NO N6 TOCK	CONSULTANT	108,450.00	520495190061304	5204951998				
IM005831	0	ORD	Tumut Aerodrome - Early Access Deed	NO N6 TOCK	CONSULTANT	2,000.00	520495190061304	5204951998				
IM002061	0	ORD	Project Management and Governance	NO N6 TOCK	CONSULTANT	90,000.00	520495190061304	5204951998				
IM002022	0	ORD	DRU of AGL, FAL, PAFU Gas, JCOR, CBC	NO N6 TOCK	CONTRACTOR	385,991.97	520495190061311	5204951920				
						1,036,353.97						

Next Steps (2-month look-ahead)

The following activities are planned for the next 2-month period (March / April 2022)

- Geotechnical investigation and reporting
- Environmental investigation and reporting
- On-site site investigation ongoing
- Continued community consultation
- Commencement of pavement design
- Completion of civil / hydraulic design
- Procurement of trade contractors underway

Programme Summary

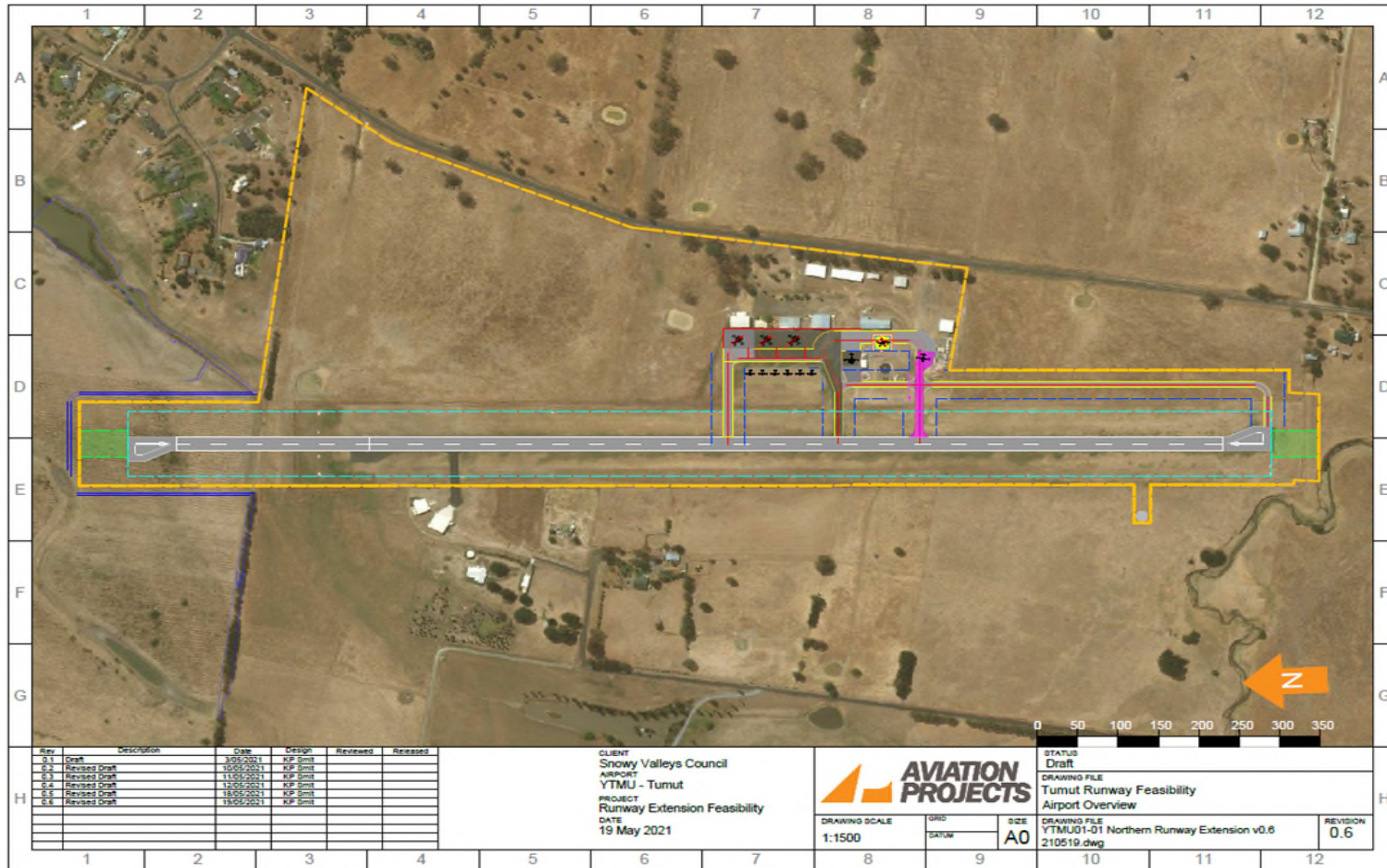


Key Project Challenges

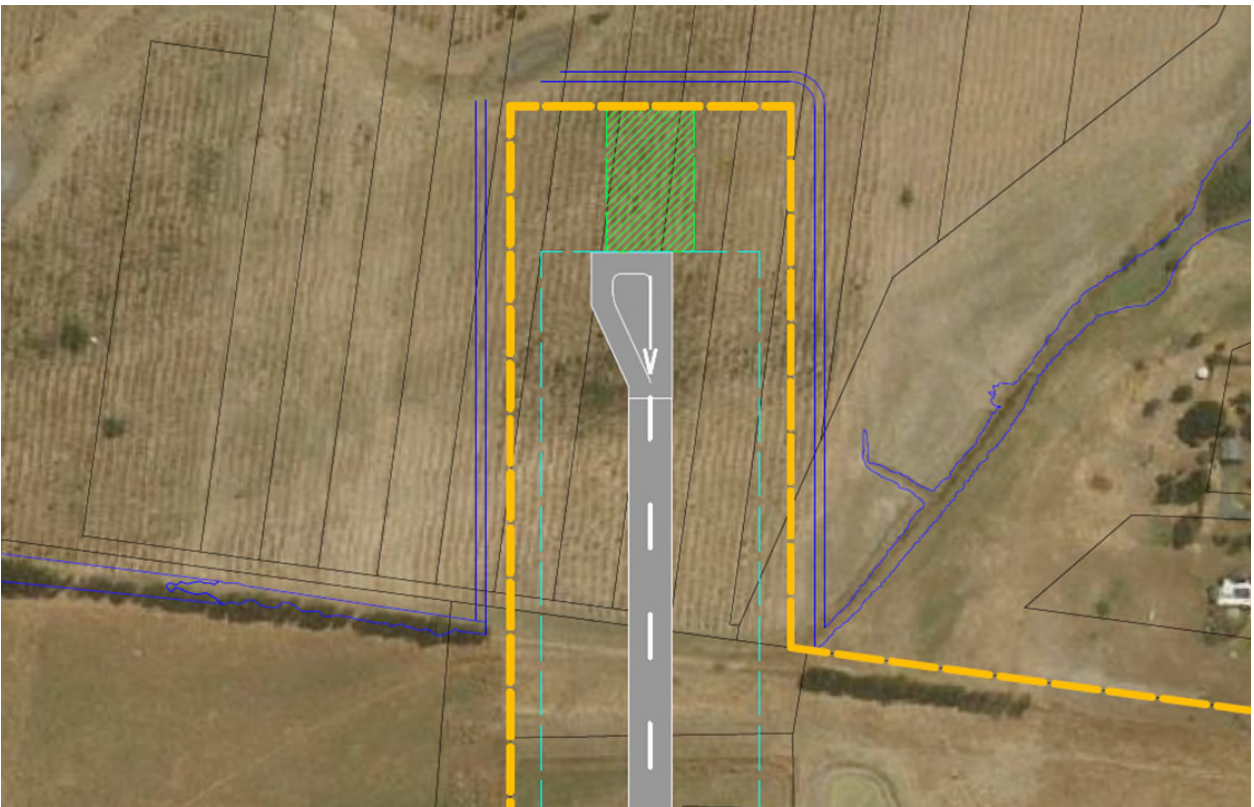
The following items are considered to be the current key risks to the project:-

Description	Impact	Actions
Inclement weather	Programme	Acceleration of weather dependant construction activities where possible. Close monitoring of long-range weather forecast
Contractor availability	Cost Programme Quality	Early procurement of contractors where practicable to ensure that contracts are locked in at the earliest opportunity.
Regulatory approvals	Programme Cost	Ongoing communications with CASA. Request for grandfathering provisions submitted. Safety Cases (x2) have been prepared if the grandfathering request is rejected.

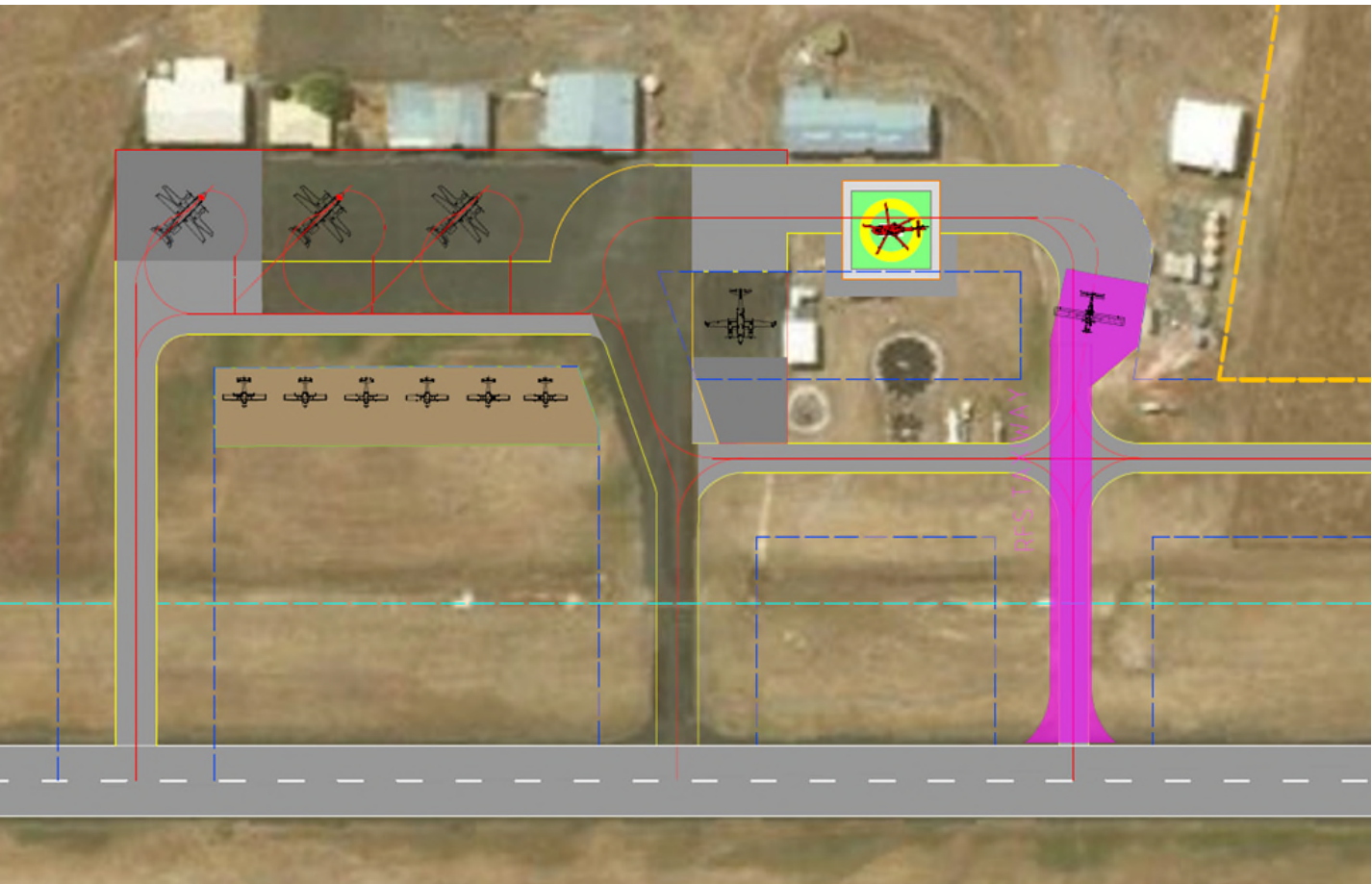
Appendix A – Reference Design Images



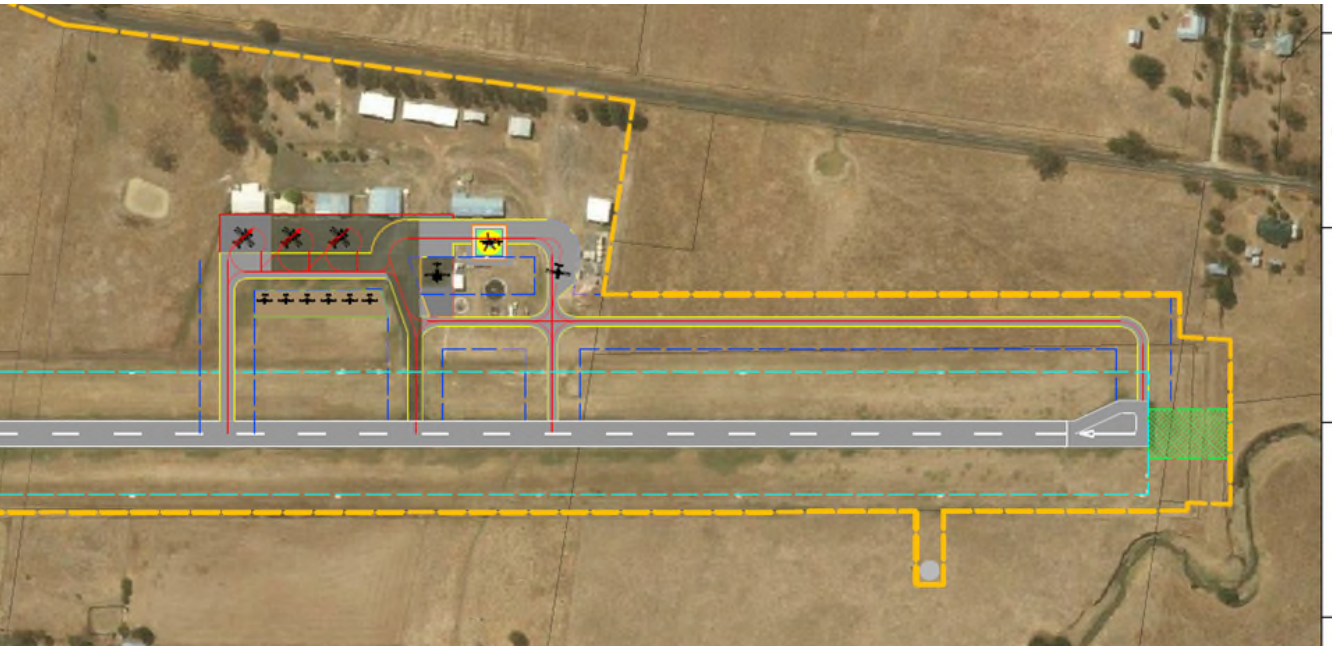
Project Site Plan / Extent of Works



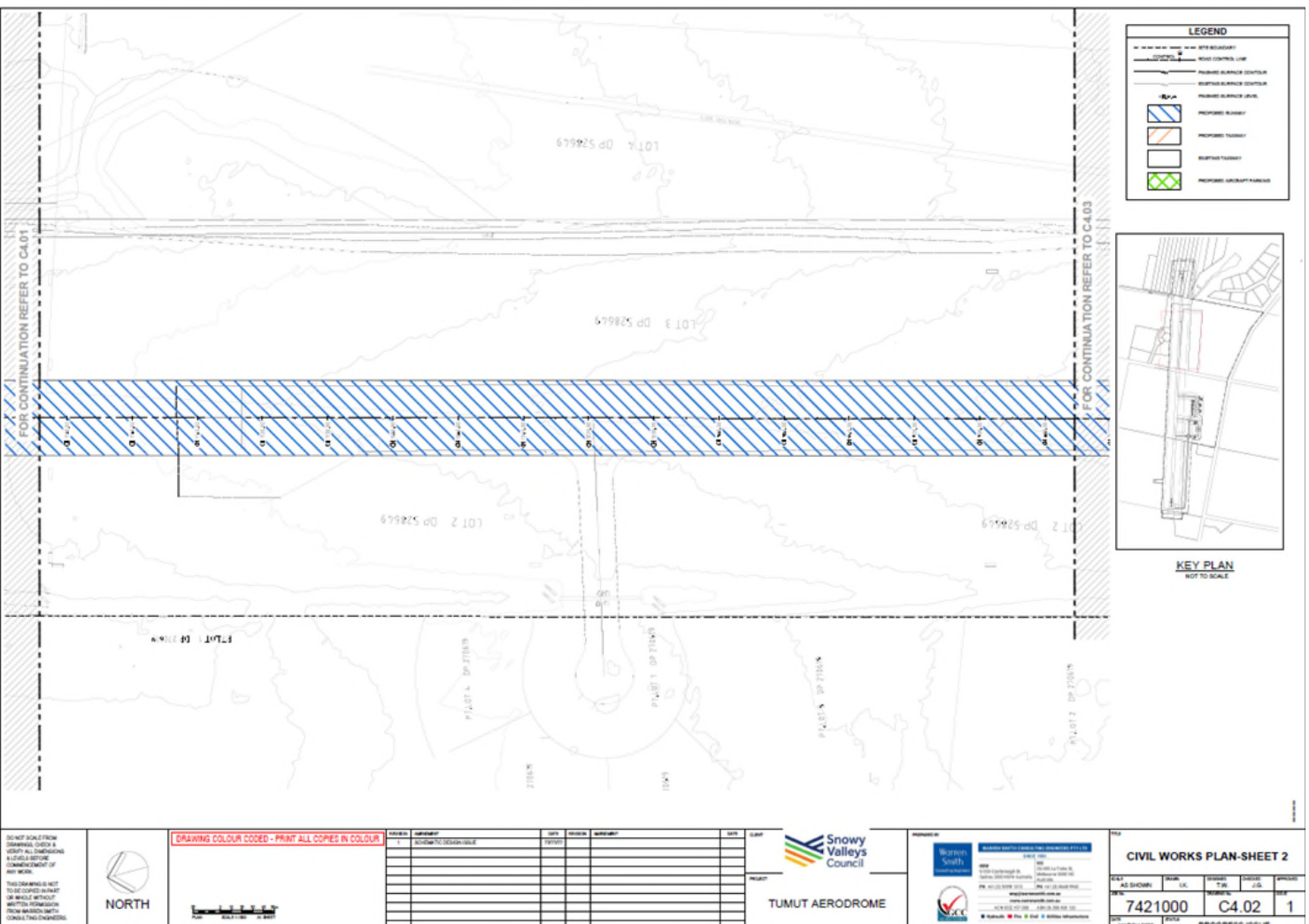
Runway Extension Area (North)

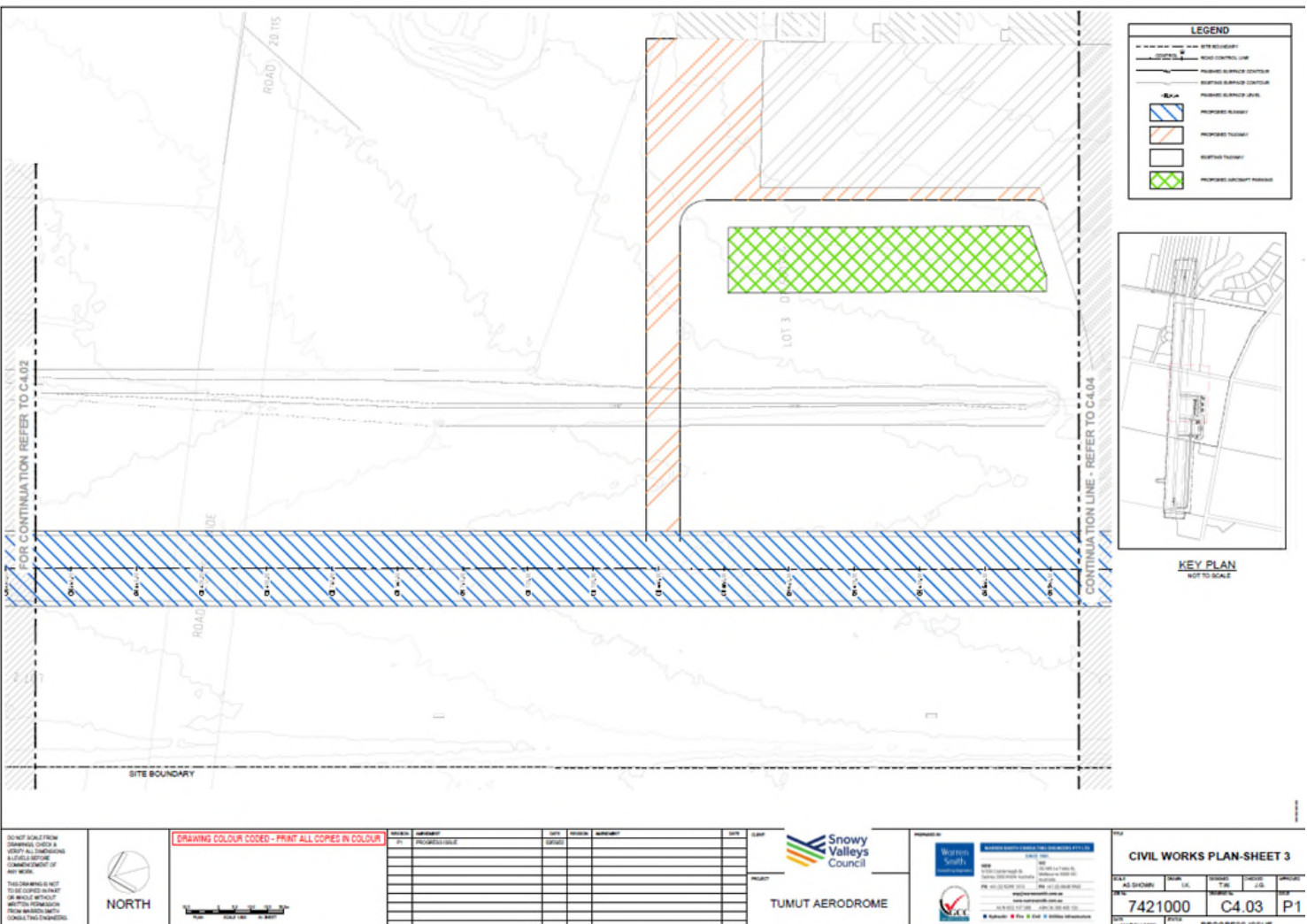


Apron Scope of works (magenta already complete)



Taxiways Scope of Works





LEGEND

- SITE BOUNDARY
- ROAD CONTROL LINE
- PROPOSED SERVICE CONTROL
- EXISTING SERVICE CONTROL
- PROPOSED ALIASBY
- PROPOSED TOLWAY
- EXISTING TOLWAY
- PROPOSED AIRCRAFT PARKING



KEY PLAN
NOT TO SCALE

<p>DO NOT SCALE FROM DIMENSIONS CHECK & VERIFY ALL DIMENSIONS & LOCATIONS COMMENCEMENT OF ANY WORK</p> <p>THIS DRAWING IS NOT TO BE USED AS A CONTRACT DOCUMENT OR AS A BASIS FOR ANY CLAIMS WITHOUT THE WRITTEN CONSENT OF THE ENGINEER</p>	<p>NORTH</p>	<p>DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISION</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>17/03/2022</td> <td>AS</td> <td>PROGRESS ISSUE</td> <td></td> </tr> </tbody> </table>	NO.	DATE	BY	REVISION	DESCRIPTION	1	17/03/2022	AS	PROGRESS ISSUE		<p>Snowy Valleys Council</p> <p>TUMUT AERODROME</p>	<p>PROJECT: TUMUT AERODROME</p> <p>DATE: 17/03/2022</p> <p>BY: AS</p> <p>CHECKED: AS</p> <p>SCALE: 1:1000</p> <p>PROJECT NO: 7421000</p> <p>DRAWING NO: C4.03</p> <p>ISSUE NO: P1</p> <p>DATE: 17/03/2022</p> <p>BY: AS</p> <p>CHECKED: AS</p> <p>SCALE: 1:1000</p> <p>PROJECT NO: 7421000</p> <p>DRAWING NO: C4.03</p> <p>ISSUE NO: P1</p>	<p>CIVIL WORKS PLAN-SHEET 3</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISION</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>17/03/2022</td> <td>AS</td> <td>PROGRESS ISSUE</td> <td></td> </tr> </tbody> </table>	NO.	DATE	BY	REVISION	DESCRIPTION	1	17/03/2022	AS	PROGRESS ISSUE	
NO.	DATE	BY	REVISION	DESCRIPTION																						
1	17/03/2022	AS	PROGRESS ISSUE																							
NO.	DATE	BY	REVISION	DESCRIPTION																						
1	17/03/2022	AS	PROGRESS ISSUE																							

