

Practical Task 1

Observer details

Name of observer:	Shawn Jarvis
Role of observer (Confirm suitability to sign)	Builder.
Email address of observer	Contact @ shawn.jarvis.builder.com.au
Signature of observer:	
Date:	Select Date. 30-01-24

When completing the task, did the Participant:	Tick if satisfactorily completed. Provide comments if left unticked.
1 Prepare for and conduct site set-out.	
1.1A. Locate, read and adhere to the current plans and site set-out procedures.	☒
1.1B. Select and operate one surveying and one levelling device in accordance with SOPs (copy of booking sheet required as evidence).	☒
1.1C. Check accuracy of instrument by conducting a 'two peg test'.	☒
1.1D. Carry out reduction in a closed level run by rise and fall method (copy of booking sheet required as evidence).	☒
1.1E. Carry out reduction in a closed level run by height of plane collimation (HPC) method (copy of booking sheet required as evidence).	☒
1.1F. Calculate accurate staff readings to enable a specific reduced level (RL) set-out.	☒
1.1G. Identify and explain errors in measured distances due to site characteristics and measurement methods.	☒
1.1H. Use digital tools to communicate with others.	☒
1.1I. Use equipment software to collect information and develop relevant documentation.	☒
2 Develop a contour grid.	
1.2A. Determine set-out grid and levels.	☒
1.2B. Prepare a topographic contour plan from grid levels to specified tolerances and stated contour intervals (copy required as evidence).	☒
1.2C. Determine surface area being levelled and calculate cut and fill volumes.	☒
1.2D. Calculate and record trigonometric and geometric calculations commonly used with grid lines, off sets and right-angle triangles without error (copy of calculations required as evidence).	☒
1.2E. Calculate cut and fill quantities including: (copy of calculations required as evidence). - area and volume of land to be levelled. - area of land to be filled and volume of fill required.	☒
3 Determine grades and levels.	
1.3A. Draw longitudinal sections from RLs.	☒
1.3B. Determine levels and clearances from given grades and distances to specified tolerances.	☒

This image shows a completely blank white page. It is surrounded by a thick black border, which appears to be the edge of a scanner or a frame. There are no markings, text, or illustrations on the page itself. A few very small, isolated dark pixels are visible upon close inspection, likely due to scanning noise or dust on the original paper.

Booking Sheet

Candidate name	Justin Matheson
Work role/title	Carpenter
Organisation/workplace	
Date	26-1-24
Instrument no.	

Backsight	Intermediate sight	Foresight	Rise	Fall	Reduced level	Comments
2.395					100.000	
	2.050		0.345		100.395	
	1.970		0.080		100.080	
	1.888		0.082		100.082	
		2.540		0.145	99.855	