Practical Task 1	
Observer details	
Name of observer:	Shawn Jarvis
Role of observer (Confirm suitability to sign)	Builder.
Email address of observer	Contact@shawnjarvisbuilder.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.	☑

When completing the task, did the Participant:		Tick if satisfactorily completed. Provide comments if left unticked.
1.3C.	Express calculation angles, percentages and run ratios in grades (copy of calculations required as evidence).	☑
1.3D.	Determine calculations for batter levels from grades and distances (copy of calculations required as evidence).	☑
1.3E.	Construct longitudinal sections and determine associated grades and levels in typical drainage and pipeline situations.	☑

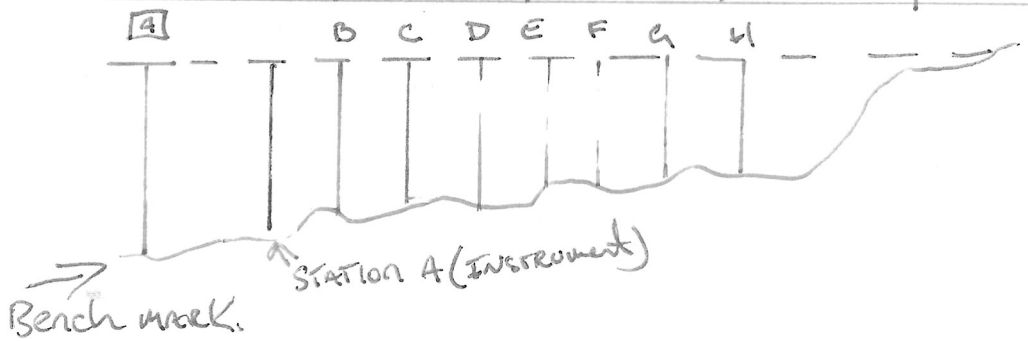
Observer comments:

Booking Sheet

Candidate name	JOSH 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		100.345	
	1.970		0.080		100.080	
	1.888		0.082		100.082	
		2.540		0.145	99.855	

Backsight	Intermediate sight	Foresight	Height of collimation	Reduced level	Top	Bottom	Dist	Remarks
1·260			101·260	100.000				ABM 100.000
	1·170			100.090				B
	·980			100.280				C
	1·090			100.170				D
	·820			100.440				E
	·840			100.420				F
	1·120			100.140				G
		0.780		100.480				H.
1·260		0·780		End of Booking Sheet				
1·260 − ·780 = 0.480				100.000 → 100.480 = 0.480				



A = 1·260
B = 1·070
C = 0·980
D = 1·090
E = 0·820
F = 0·840
G = 1·120
H = 0·780