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073105T4PLM

PLUMBING LEVEL 5

CON/OS/PL/CR/03/5

Install Drainage Systems

July/August 2025

TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL (TVET CDACC)

PRACTICAL ASSESSMENT

ASSESSOR'S GUIDE

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INSTRUCTIONS TO ASSESSOR

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

This guide consists of FOUR (4) printed pages.

Assessor should check the guide to ascertain that all the pages are printed as indicated and that no questions or answers are missing

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OBSERVATION CHECKLIST

Candidate's name & Registration Code			
Assessor's name & Registration Code			
Venue of Assessment			
Date of assessment			
Items to be evaluated: Please award marks as appropriate. Give a brief comment on your observation.	**Marks available**	**Marks obtained**	**Comments**
OBSERVATION CHECKLIST			
1. Donned PPEs as per OSHA regulations. i. safety boots ii. helmet *(Award 1 mark for each PPE worn)*	**1** **1**		
Sub Total 1:	**2**		
TASK 1: Construct timber support			
2. Identified and assembled all tools and equipment based on the job requirements. i. Magic bend ii. Plumb bob iii. Hammer iv. Water closet *(Award 1/2 mark for assembling tool or zero)*	**1** **1** **1** **1**		
3. Constructed the timber support based on the working drawings i. 750 x 750 mm top platform ii. 1.0 M high support. *(Award 2 marks each or zero)*	**2** **2**		
Sub Total 2:	**8**		
TASK 2: Install the stub stack system			
4. Marked out pipe positions based on the working drawing. *(Award 2 mark or zero)*	**2**		

5. Laid pipes based on levels and plumbness. *(Award 2 marks or zero)*	**2**		
6. Fitted fittings to pipework. i. Y-Junction. ii. Magic bend. iii. Elbow. *(Award 1 mark each; (1x3=3) or zero)*	 **1** **1** **1**		
7. Firmly constructed timber support. i. 750x750mm ii. Support stands 1,000mm high. *(Award 2 marks each (2x2=4) or zero)*	 **2** **2**		
8. Installed down pipe correctly on the wall. i. Y junction connection. ii. Four Wall clips *(Award 1 mark each or zero; (1x2=2) or 0)*	 **1** **1**		
9. Correct downpipe measurements. i. 1,000mm ii. 700mm iii. 300mm 10. *(Award 2 marks each; (2x3=6) or zero)*	 **2** **2** **2**		
11. Coupled W.C correctly installed *(Award 2 marks or zero)*	**2**		
12. Tightened joints with no leakages. i. Y-Junction. ii. Magic bend. iii. Elbow. *(Award 1 mark each or zero)*	 **1** **1** **1**		
Sub Total 3:	**7**		
13. Stored drainage tools and equipment based on work place policies. *(Award 1 mark or zero)*	**1**		

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14. Conducted housekeeping based on workplace procedure. *(Award 2 marks or zero)*	**2**		
Sub Total 4:	**3**		
PRODUCT CHECKLIST			
15.			
16. Plumbness of the installed down pipe. *(Award 2 marks or zero)*	**2**		
17. Coupled W.C correctly installed *(Award 2 marks or zero)*	**2**		
18. Conducted functionality tests based on best practices *(Award 2 marks or zero)*	**2**		
19. Tightened joints with no leakages. iv. Y-Junction. v. Magic bend. vi. Elbow. *(Award 1 mark each or zero)*	 **1** **1** **1**		
20. Corrected faults in the system based on best practice. *(Award 3 marks or zero)*	**3**		
21. Completed Project *(Award 3 marks for 100% completion, 2 mark for 75% completion or zero below 75%)*	**3**		
SUB-TOTAL	**30**		
GRAND TOTAL	**50**		
ASSESSMENT OUTCOME			

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The candidate was found to be: Competent ☐ Not yet competent ☐ *(Please tick as appropriate)* ***(The candidate is competent if the candidate obtains at least 50%)***
Feedback from candidate:
Feedback to candidate:
Candidate's Signature **Date** **----------** **----------**
Assessor's Signature **Date** **----------** **----------**

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