

**073206T4CEN**

**CIVIL ENGINEERING LEVEL 6**

**CON/OS/CET/CR/10/6/A**

**Construct Waste Water Infrastructure**

**March/April 2025**



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

**PRACTICAL ASSESSMENT**

**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

## OBSERVATION CHECKLIST

<b>Candidate's Name &amp; Registration Code</b>			
<b>Assessors Name &amp; Registration Code</b>			
<b>Venue of Assessment</b>			
<b>Date of Assessment</b>			
<b>Items to be Evaluated:</b> <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	<b>Marks Available</b>	<b>Marks Obtained</b>	<b>Comments</b>
1. Wore PPE'S (Overall, Safety boots, Gloves)  <i>(Award 3 marks or zero)</i>	<b>3</b>		
2. Used tools and equipment correctly based on the job requirements. <ul style="list-style-type: none"> <li>• Builders line <i>(Award 1 mark or zero)</i></li> <li>• Spirit level <i>(Award 1 mark or zero)</i></li> <li>• Gauge rod <i>(Award 1 mark or zero)</i></li> <li>• Trowel <i>(Award 1 mark or zero)</i></li> <li>• Mason hammer <i>(Award 1 mark or zero)</i></li> </ul>	<b>1</b> <b>1</b> <b>1</b> <b>1</b>		
3. Set out the chamber according to the drawing			

(Award 4 mark or Zero)	<b>4</b>		
4. mixed mortar to correct consistency (Award 3 mark or zero)	<b>3</b>		
5. Laid blocks in stretcher bond (Award 2 marks for each course $2 \times 4 = 8$ marks)	<b>8</b>		
6. Installed screen wire mesh (Award 5 mark or zero )	<b>5</b>		
7. Constructed sediment retaining wall (Award 3 mark or zero )	<b>3</b>		
8. Constructed inlet and out level • Inlet level (Award 2 marks $1 \times 2 = 2$ marks) • Outlet level (Award 2 marks $1 \times 2 = 2$ marks)	<b>2</b>  <b>2</b>		
<b>Sub-Total 1</b>	<b>35</b>		
<b>PRODUCT CHECKLIST</b>			
9. Dimensions (+ or – 2mm tolerance ) • 1500mm (Award 1 for each $1 \times 2 = 2$ ) • 900mm (Award 1 for each $1 \times 2 = 2$ ) • 530mm (Award 1 for each $1 \times 2 = 2$ )	<b>2</b>  <b>2</b>  <b>2</b>		

<ul style="list-style-type: none"> <li>• 450mm (Award 1 for each 1x2= 2 )</li> <li>• 600mm (Award 1 for each 1x2= 2)</li> <li>• 200mm (Award 1 for each 1x2= 2)</li> <li>• 300mm (Award 1 mark)</li> </ul>	2		
10. Diagonals (Award 1mark for each 1x2 = 2 marks)	2		
11. Wall <ul style="list-style-type: none"> <li>• Plumbness 4 sides (Award 1mark for each correct 1x4 = 4)</li> <li>• Square 4 corners (Award 1mark for each correct 1x4 = 4)</li> </ul>	4		
12. Plastered 4 walls <ul style="list-style-type: none"> <li>• Plumbness 4 walls (Award 1mark for each correct 1x4 = 4)</li> <li>• Smoothness 4 walls (Award 1mark for each correct 1x4 = 4)</li> </ul>	4		
13. Screen <ul style="list-style-type: none"> <li>• Plumbness 2 ends (Award 1mark for each correct 1x2 = 2)</li> <li>• Straightness (Award 2 mark)</li> </ul>	2		
<b>Sub-Total 2</b>	<b>35</b>		
<b>GRAND TOTAL</b>	<b>70</b>		

<b>ASSESSMENT OUTCOME</b>			
The candidate was found to be:			
Competent <input type="checkbox"/>		Not yet Competent <input type="checkbox"/>	
<i>(Please tick as appropriate)</i>			
<i>(The candidate is competent if the candidate obtains at least 50%)</i>			
<b>Feedback from the Candidate:</b>			
<b>Feedback to the Candidate:</b>			
<b>Candidate Signature</b>		<b>Date:</b>	
<hr/>		<hr/>	
<b>Assessor's Signature</b>		<b>Date</b>	
<hr/>		<hr/>	