

Shelly Bay, Shed 8 - Foundation Inspection			Inspection-43 – Rev 1
Date:	22/06/2020	Weather	Fine
Time:	11:15 Am	Job #	1000057
Tide:	Low @ 11:38 am	Inspectors	SELO, JIDE
Monitoring observations			
Void space A, refer attached Figure 1 for void location			
Item	Changes observed since previous visit	Observations and measurements	Photo ID
Void Depth	Nil	3.1 m measured from back of void to front of void (back of plywood facing) using survey ruler.	3
Void Width	Nil	Extends south to Void B and north to Void D (South).	-
Timber Piles	Nil	Front pile is in very poor condition, likely to be offering little or no support to the pile cap. Rear pile is also in very poor condition, likely to be offering little or no support to the pile cap.	1, 3
Steel Props	Nil	Both props show no sign of significant weakening (corrosion) and no sign of buckling, although they are considered to be under significant load from the pile cap. No new undermining of grout pad observed during inspection.	1, 3
Timber (Plywood) Protective Facing	Nil	Facing is secure.	5
Void space B, refer attached Figure 1 for void location			
Item	Changes observed since previous visit	Observations and measurements	Photo ID
Void Depth	Nil	3.0m measured from back of void to front of void (back of plywood facing) using survey ruler.	-
Void Width	Nil	Approximately 3.7m measured from southern extent of the void (to the next pile cap) to the centre of the viewing hole. Void extends to the north to Void A.	11
Timber Piles	Nil	Front pile is in very poor condition and likely to be offering no support to the pile cap. Rear pile completely disconnected from the pile cap.	7, 9
Steel Props	Nil	Props show no sign of significant corrosion or weakening and no sign of buckling. No new undermining of grout pad observed during inspection.	7, 9
Timber (Plywood) Protection Facing	Nil	Facing is secure.	-

Void space C, refer attached Figure 1 for void location			
Item	Changes observed since previous visit	Observations and measurements	Photo ID
Void Depth	Nil	1.9m measured from the back of the void to the front face of the pile cap with a survey ruler.	13
Void Width	Nil	Measured to be approximately 1.3 m wide on average (with tape measure) beneath the pile cap.	13
Timber Piles	Nil	The front pile is in reasonable condition. The rear pile is in very poor condition and is likely to be providing minimal or no support to the pile cap.	13
Void space D (North), refer attached Figure 1 for void location			
Item	Changes observed since previous visit	Observations and measurements	Photo ID
Void Depth	Unobserved	No longer observable as timber facing has been secured over damaged rails (06/10/2017). It is unlikely that the condition of the void has changed since last visual sighting during inspection on 05 September 2017 (the void is now protected by the timber facing).	-
Void Width	Unobserved		-
Timber Piles	Unobserved		-
Timber Rails	Nil	Facing is secure.	15
Void space D (South), refer attached Figure 1 for void location			
Item	Changes observed since previous visit	Observations and measurements	Photo ID
Void Depth	Unobserved	No longer observable as timber facing has been secured over damaged rails (06/10/2017). It is unlikely that the condition of the void has changed since last visual sighting during inspection on 05 September 2017.	-
Void Width	Unobserved	No longer observable as timber facing has been secured over damaged rails (06/10/2017). It is unlikely that the condition of the void has changed since last visual sighting during inspection on 05 September 2017.	-
Timber Piles	Unobserved	No longer observable as timber facing has been secured over damaged rails (06/10/2017). It is unlikely that the condition of the void has changed since last visual sighting during inspection on 05 September 2017. Rear pile can be observed looking north from Void A. Pile appears to be in a similar poor condition as previously observed. The pile is likely to be providing minimal support to the pile cap. The condition of the front pile is not observable but is likely to be similar to the rear pile.	17
Timber Rails	Nil.	Facing is secure.	-

Recommended future actions based on level of damage observed		
Level of further damage	Action required	Y/N ¹
No noticeable changes observed through measurements and comparison in observations from previous site visit. No change in assessed risk level.	Continue current monitoring program. Refer to T+T letter dated 22 August 2017 for recommended actions.	Y
Minor changes observed through measurements and comparison in observations from previous site visit; e.g. some moderate damage to the timber plywood facing or some possible tension cracks or slumping developing around the edge of the scour hole. Potentially minor change in risk level.	A more detailed inspection of external and internal structure may be required by a senior engineer. Level of risk to be assessed by a senior engineer based on inspections records. Remedial works to be undertaken as instructed by the engineer, e.g. repairs to existing props and timber facing.	N
Significant changes observed through measurements and comparison in observations from previous site visit; e.g. addition scour of over 500mm measured or evidence of cracking in the foundation concrete or deformation of the temporary props. Potentially significant change in risk level.	WCC must advise tenants to evacuate temporarily until engineering inspections have been undertaken, risk assessment has been completed and remedial works (if required) are in place.	N
Further actions undertaken		
Nil.		
Note 1 – Based on the level of damage following an inspection only one set of actions is required as indicated.		

Report Author: Siobhan Simpson

Reviewed by: Emilia Stocks

Approved by: Andrew Kennedy

Photos

Attachments: Figure 1 - Foundation Plan

Photos



Photograph 1 & 2: Void A left from hatch, above 22/06/2020, 10/10/2019 below.





Photograph 3 & 4: Void A. Photos above taken 22/06/2020, below taken 10/10/2019





Photographs 5 & 6: Ply facing at Void A. Photographs above taken 22/06/2020. Photo below taken 10/10/2019.





Photograph 7 & 8: Void B. 22/06/2020 above, 10/10/2019 below.





Photograph 9 & 10: Condition of temporary propping and grout pad in Void B. Photo 22/06/2020 above, 10/10/2019 below.





Photograph 11 & 12: View to the right of Void B. Photo above taken 22/06/2020. Photo below taken 10/10/2019.





Photograph 13 & 14: Void C photo taken 22/06/2020 above. Below 10/10/2019. No noticeable further deterioration of pile nor erosion of void.





Photograph 15 & 16: Condition of timber railings between access point and Void A. Photos taken above 22/06/2020 and 10/10/2019 below. Damaged pile (void space D – foundation to the North) at location indicated by red circle is pictured in Photograph 16 is no longer observable after securing new plywood facing.





Photograph 17 & 18: Photo 17 above taken 09/03/2020 looking north from Void A. Condition of timber acceptable relative to other piles. Ply facing installed over damaged timber railings so no longer observable from Void D-South. Photo 18 below taken 10/10/2019

