**Kaipātiki Local Board Community Forum**

**OPEN MINUTE ITEM ATTACHMENTS**

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**Note:** The attachments contained within this document are for consideration and should not be construed as Council policy unless and until adopted. Should Councillors require further information relating to any reports, please contact the relevant manager, Chairperson or Deputy Chairperson.
Attachment A

Item 8.2
Attachment A

Item 8.2
Attachment A

Item 8.2
LITTLE SHOAL BAY: Saving the Beach 22 May 2019

- Sandbag groyne has created a 45cm deep 15-meter-wide beach.

- Simple pipe extension of 25 meters would save the beach from washing away at the western side of the bay.

- Extending a pipe to the foot of the beach is normal council practice.

- Doesn’t affect water movements.

- Pipe extension would cover up pipe hole and falling risk into the pipe from the above wall.

- Will turn the foreshore into a sand accreting environment.

- It will reduce flooding into the wetland through sand continuing to block half the culvert.

- Future work will save the last of the sand from halls beach.
Little Shoal Bay sandbag groynes, 30 April 2019
LSB stormwater pipe outlet, 30 April 2019

Pipe outflow as existing with sand about to be swept out to sea on next tide.

Impression of a pipe extension covered by accumulated sand over pipe with matching stone over pipe exit.

AC geomap: location of underground pipe with proposed extension.
Little Shoal Bay: Saving the Beach 22 May 2019

Pictures that accompany 3-minute presentation by Kyle Aitken:

1. Sand washing into the pipe outfall before the groyne was in place.

2. Shows the beach doubling in size in 10 years. Also extending towards the pipe.

3. Showing sand on main beach area by the culvert 10 years ago.

4. The un grated pipe with fall into pipe outflow from the walls above.

5. Culvert half blocked with sand from the beach held up by the groyne significantly slowing flooding into wetland.

6 and 7. Showing sand washing around and eroding the eastern beach and washing into the culvert area.

8. The groyne beach.