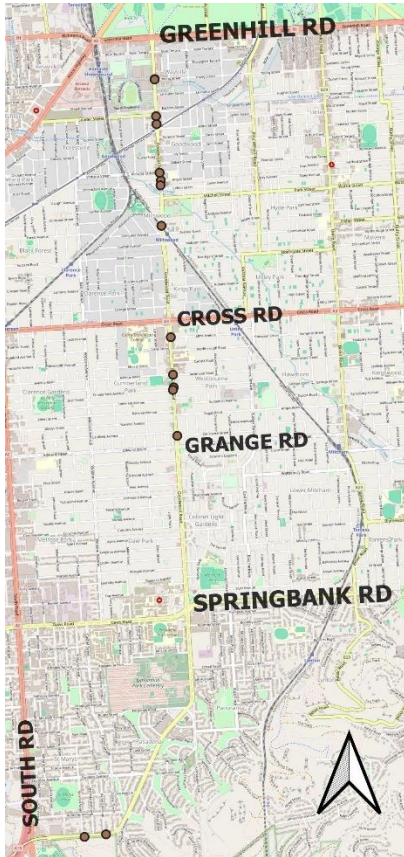


# RAA Sinking Pit Cover Assessment

Road being assessed:

**Goodwood Road/Ayliffes Rd from Greenhill Rd to South Road**



**Direction and number of lanes tested:** Northbound and southbound lanes were assessed. Note that where sections of Goodwood Road widened to three lanes, the centre lane was assessed instead of the kerbside lane and denoted as the left lane for the purposes of this assessment.

**Date of assessment:** 12-12-2023

**Total sites assessed:** 141

**Total sites exceeding comfort benchmark:** 23

RAA digitally inspected all covers that exceeded our calculated comfort benchmark using dashcam footage and removed false readings and pit covers that we did not believe to be SA water assets from the list. These sites recorded a high G-Force reading with visual defects causing driver discomfort or danger.

Overleaf is the list of 23 sites we believe to be under the care of SA Water. However, one site (*NB LH 3*) may potentially be a stormwater plate and a council asset.

RAA does not guarantee that this test has identified all defective plates/castings on Goodwood Road.



Figure 1 - Sunken pit cover at Goodwood Rd / Leader St intersection

Location Description	Latitude	Longitude	Direction/Lane	Comment
YOUNG ST INTERSECTION	-34.9455	138.5893	SB LH	2 covers
ANGUS ST INTERSECTION	-34.9542	138.5899	SB LH	3 covers
ELMO AVE INTERSECTION	-34.9678	138.591	SB LH	
N OF RICHMOND RD	-34.971	138.5912	SB LH	
MONMOUTH RD INTERSECTION	-34.9721	138.5913	SB LH	
CONSTANCE ST INTERSECTION	-34.9763	138.5916	SB LH	
OPPOSITE NORMAN ST	-35.011	138.5818	SB LH	3 covers
E OF BARNETT AVE	-35.0107	138.5841	NB LH	
CUMBERLAND AVE INTERSECTION	-34.9723	138.5912	NB LH	
MILLSWOOD UNDERPASS	-34.9581	138.59	NB LH	potential council asset
CRANBROOK AVE INTERSECTION	-34.9547	138.5899	NB LH	
VICTORIA ST INTERSECTION	-34.9536	138.5898	NB LH	4 covers
#96 GOODWOOD RD	-34.9494	138.5895	NB LH	
LEADER ST INTERSECTION	-34.9487	138.5894	NB LH	
YOUNG ST INTERSECTION	-34.9455	138.5893	SB RH	

*RAA have calculated a benchmark comfort G-Force of 0.073G in our test vehicle (2022 Hyundai Kona) based on averaging the G-Force of multiple runs over a singular pit cover approximately 30mm deep that was perceived to be uncomfortable when crossed. Covers that exceed this benchmark G-Force are subsequently reviewed with false readings and non-SA Water assets removed from the final list. RAA does not guarantee that this test has identified all defective castings on this section of Goodwood Road and recommends these results be reviewed and verified by SA Water prior to scheduling works.*