

## REPORT

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### **SURVEY OF THE HIGH WATER MARK ADJOINING PORTION 4 OF FARM MISGUST AAN DE GOURITZ RIVIER NO 257 AND FARM VLEESCH BAAI STRAND NO 266 SITUATE IN THE MUNICIPALITY OF MOSSEL BAY**

#### 1 PURPOSE

To determine in situ the location of the high water mark for the purposes of the location of Municipal services falling in close proximity to the high water mark.

#### 2 SURVEY

Trig beacon 10, Flesh Bay, was occupied with GNSS equipment and used as the origin of the survey.

#### 3 HIGH WATER MARK (HWM)

Between and including points 60 – 116 the HWM is well defined by a very distinct bush line above the rocks along the sea shore.( see annexure A)

Similarly between and including points 186 – 208 and 229 – 255 the HWM may be identified as lying along the line of hydrophyte plants that are typical of the flora of the Southern Cape coastline.( see annexure B and B2)

However between and including points 118 – 184 and 206 – 229 there is no evidence of natural vegetation features to determine the locality of the HWM.

For the purposes of the determination of the HWM between these latter mentioned points aerial photographs have been obtained from the NGI office in Mowbray. This photography which was taken in the years 1942,1963, 1969, 1974, 1991 and 2006 has been used to gauge any possible movement of the location of the edge of the vegetation growth in the vicinity of the location of the HWM. (see annexures C, D, E and F)

All the images show a consistent line clearly evident on the images from 1942 to 1991.

Subsequent to this period the HWM in the places where it could not be surveyed has been subjected to an inability to move as a result of natural accretion and decretion.

This movement has been stopped by the construction of concrete walls and paths.

As a consequence of this and for the purposes of defining the HWM a line has been adopted that co-incides with these land features. The alignment of these features is relatively consistent with the location of the HWM where natural vegetation still occurs.see annexures G, H and H1)

## 4 PREVIOUS SURVEYS

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Surveys E1234/1952 and E2645/1949 have been obtained and investigated for assistance with the location of the HWM.

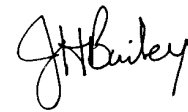
Survey E2645/1949 does not have a surveyed HWM. The HWM on diagram 1831/1955 is from a component pre 1927 diagram.

Survey E1234/1952 is not of much assistance either.

## 5 CONCLUSION

Agreement of the Surveyor-General in terms of section 32 of Act 8 of 1997 for the purposes of avoiding dispute between the municipality and organs of the state of the locality of the HWM, is required.

It is essential to obtain this agreement as municipal infrastructure services are located in close proximity to the sea shore which can consequently lead to dispute between the authorities who manage the land.



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**J H BAILEY**  
**Professional Land Surveyor**

annexure A



annexure B



annexure B2



annexure H1

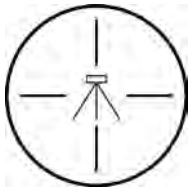


annexure H



annexure G





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Your ref / U verw  
Our ref / Ons verw : VLB/VE/1838

The Surveyor-General  
Private Bag X9028  
CAPE TOWN  
8000

22/06/2018

Dear Sir

**SURVEY OF THE HWM ADJOINING PORTIONS OF FARMS 257/4 AND 266 LOCATED  
IN THE MUNICIPALITY AND ADMINISTRATIVE DISTRICT OF MOSSEL BAY**

In connection with the above survey, your reference : MosB266, we herewith lodge  
for your kind attention -

- 1 The report on the survey pages 19 and 20.
- 2 The original field book pages 10 – 14.
- 3 Co-ordinate list pages 20 – 23.
- 4 Working plan.
- 5 Annexures A - H

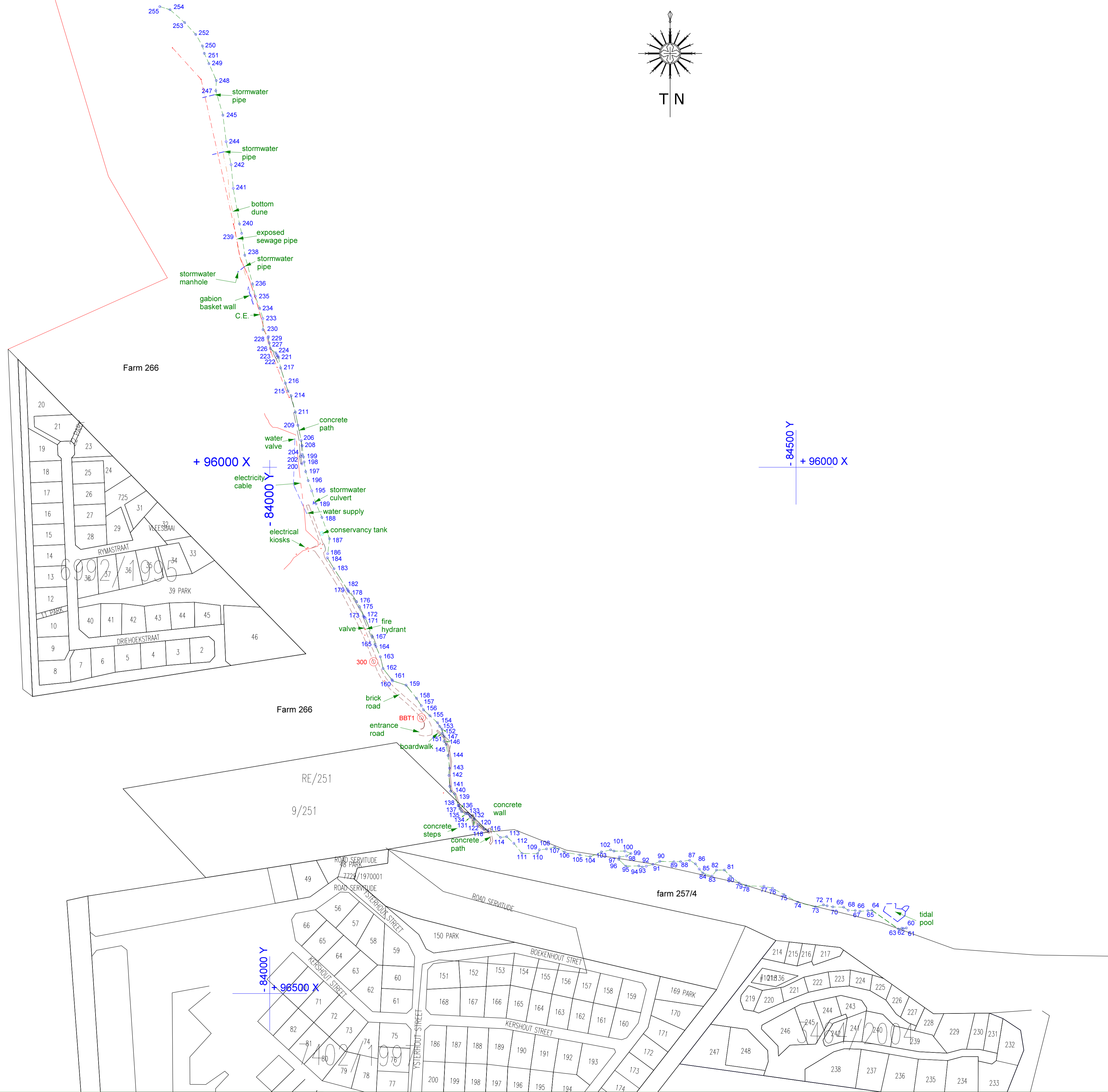
Yours faithfully


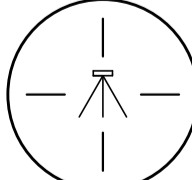
**BAILEY & LE ROUX**  
Professional Land Surveyors

per :

**J H BAILEY**

Typing/Letters/Survey.VLB



SR. No. E	
Survey of the high water mark of the Vleesbaai allotment area	
SITUATE IN THE MUNICIPALITY AND ADMINISTRATIVE DISTRICT OF MOSSEL BAY PROVINCE OF THE WESTERN CAPE	
SCALE	1:2000
COMPILATION.	AK-4BB(3565)
Surveyed by me in accordance with the provisions of the Land Survey Act, No. 8 of 1997, and the Regulations framed thereunder in March 2018	
 J.H. Bailey PLS 0019 Professional Land Surveyor	
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