

18 July 2019

Enquiries : J. de Klerk
Our ref. : 301038/JdeK
Your ref. : 26/18/17
File ref. : 301038

Eco Impact Legal Consulting (Pty) Ltd
PO Box 45070
Claremont
7735

For Attention: Johmandie Pienaar

301038 : CONSTRUCTION OF CIVIL ENGINEERING SERVICES FOR 154 IRDP ERVEN IN LOUWVILLE, VREDENBURG : STORMWATER FLOOD LINES

Your e-mail dated 17 July 2019, our Preliminary Engineering Report dated March 2019 and Floodline report for abovementioned proposed development dated November 2018 refers.

Stormwater from the proposed Louwville housing development will be managed according to proposals as per the Preliminary Engineering Report 301038 March 2019. The proposed 375mm Ø underground stormwater pipe system with grid inlets will be constructed to ensure sufficient drainage from the area. The proposed stormwater system will drain to the existing stormwater concrete canal and connect to the existing canal at three points. The proposed stormwater layout is attached as Annexure F to the report. The stormwater design will allow for the 1:2 and 1:50 year floods. The detailed design of the stormwater management system for the proposed housing development will be done upon receiving approval for the project from the Housing Department.

The current housing development layout has been designed above the expected 1:50 and 1:100 year flood levels and the floor levels specifically above the 1:100 year flood peak. Therefore as stated in the Floodline Report 301038 November 2018 the current floodlines of the southern stormwater channel have no effect on the proposed housing development and the upgrades as proposed for the southern stormwater channel in the floodline report is not required as part of stormwater management for the 154 erven housing development, the housing development as proposed can proceed without implementation of these upgrades. It is however recommended that the upgrades be considered by the Saldanha Bay Municipality for future stormwater management upgrades to be implemented as part of the Vredenburg/Louwville Basic Stormwater Master Plan. A stormwater management plan for the upgrades as proposed within the southern stormwater channel will therefore not be compiled at this stage as it will be included as part of the Vredenburg/Louwville Basic Stormwater Master Plan.

Yours faithfully



Jéan de Klerk
Pr Tech Eng