

Photographs Taken of Fence to be Replaced:

A Series of photographs were taken of where the existing fence is located with and without river flow:

Periods of flow:



Figure 1: Portion of the fence erected on existing gabions/reno mattresses.



Figure 2: Portion of the fence where existing footings are covered during flow (view taken from bridge).



Figure 3: Portion of the failing fence damaged by waterflow (existing gabions/reno mattresses below water level during high flow).

Pictures above were taken from the R404 Montagu Road bridge during a period of harsh rainfall. Foundation of the fence is shown to be submerged under the river water as seen in figures 1 & 2. It can clearly be seen from *figure 3* that the fence above is to be repaired and maintained. Hence a new sustainable fence design has been proposed by the proponent/owner.

At periods of no-flow:



Figure 4: Existing Fence with unsustainable movable bottom section that is too narrow.



Figure 5: Exposed Gabions/Reno Mattresses and foundation of existing fence to be removed and replaced according to engineering design.

Pictures in Figures 4 & 5 were taken on a drier day to showcase the exposed gabion/ reno mattress structures currently imbedded into the bed/banks of the watercourse. These structures are to be removed and replaced in according to the Engineering Design to allow an improved fence/security system that will be less prone to damage/repairs.
