

James Thomas

From: Neville Lane <neville.lane@drdgold.com>
Sent: 02 December 2014 14:42
To: James Thomas
Subject: FW: Dams and dump containment
Attachments: DRD-183 2L20 & 2L21-Paddocks.pdf; LIVING Africa developments.docx

Hi James,
Graham said a one pager so you got it. With plan.
Nev----->>>>

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From: Steve Glensor [<mailto:steve.glensor@drdgold.com>]
Sent: 02 December 2014 02:06 PM
To: neville.lane@za.drdgold.com
Subject:

Best Regards

Steve Glensor

Survey Foreman

LIVING AFRICA DEVELOPMENTS (PTY) LTD

LIVING AFRICA DEVELOPMENTS (PTY) LTD (LAD) was established in 2006 and is a township developing company and the freehold owner of the remaining extent of Portion 14 of the farm Roodepoort 237 IQ over which the proposed establishment of a township plan for Matholesville Extensions 3 to 5 is situated.

This land is historically mining land with all underground workings far deeper than 240 metres below surface. All surface mine structures have been removed and the land rehabilitated barring one sand dump and two slimes dam areas as shown on the attached aerial photographic plan.

The site of the proposed township area and the sand and slimes dam areas have been inspected by a LAD representative Mr Graham Ranson and Environmental Managers Messrs Louis Kleynhans and Neville Lane make the following recommendations:-

2L21 Slimes Dam. - This slime deposition site, at the time of mine closure, was extremely well contained with paddocks on all sides including a lower storm water catchment area which shows signs of an erosion breakage and spillage into the adjacent southern and south western areas marked 'B' and 'C' respectively. However the slimes deposition site was well vegetated with grasses and trees at the time of mine closure. Area 'B' will require restoration of the catchment dam wall in two places with the installation of a storm water decanting pipe allowing for a freeboard of one and a half metres. Area 'C' slime will need to be replaced into the containment paddock walls.

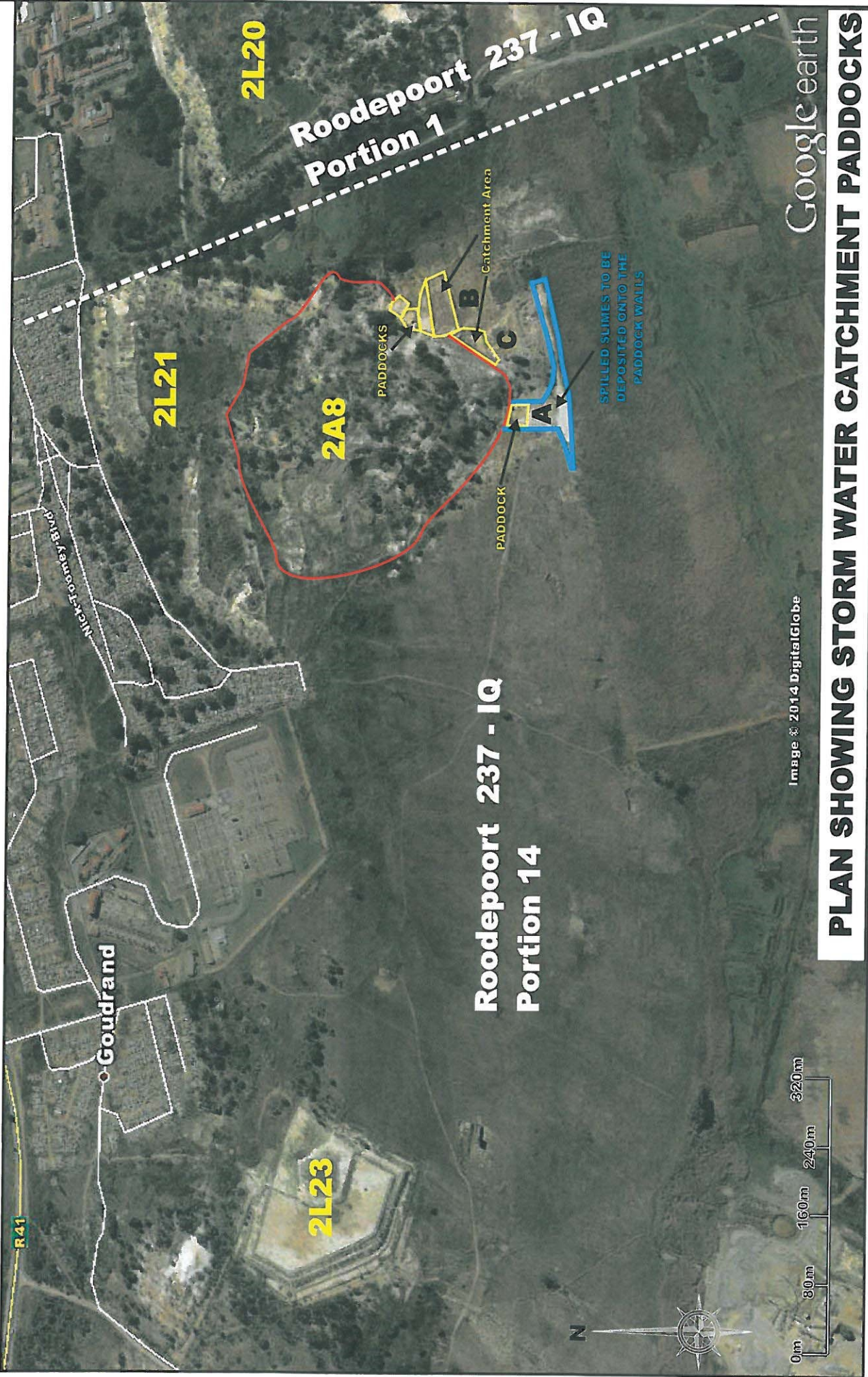
2A8 Sand Dump. - This sand deposition site was well vegetated with grasses and trees at the time of mine closure. However there is one area, marked 'A' where there has been a storm water overspill of the single paddock into a contained area which ensured the separation of the drainage waters and the natural food waters. This lower area needs to be deposited onto the paddock walls for added freeboard. A spillway pipe will not be required in that the paddock will contain all runoff water seeping from the dump in this area.

2L23 Slimes Dam. - This slime deposition site, at the time of mine closure, was also extremely well contained with paddocks on all sides including a surrounding storm water canal which also shows no sign of erosion or spillage into the adjacent areas. The slime has consolidated to a hard outer crust with sparse vegetation and no erosion of the side slopes. It can be safely termed a low hazard entity. This dam will require some amelioration and vegetation techniques to ensure a diverse and sustainable vegetation cover mitigating any possible future nuisance dust problems. This dam's footprint covers an area of 2.83 hectares.

In conclusion there is ongoing illegal mining of these dumps and surrounding dumps which degrades the dam stability. With the establishment of this township such illegal mining will be curbed and stopped in the light of residents occupying the area.

Living Africa Developments (Pty) Ltd.

PORTION 14 - ROODEPOORT 237 - IQ



PLAN SHOWING STORM WATER CATCHMENT PADDOCKS