

APPENDIX A – SITE PHOTOGRAPHS

Site Camp

The Site Camp is located off Hermanus Way at the northern end of the contract in Caledon. The site camp comprises an existing PGWC facility which includes storage areas and offices with all the required infrastructure permanently in place.







Stockpile Area 1 on Hermanus Way

Stockpile area 1 is located immediately north of the site camp area off Hermanus Way. It is noted that this area has historically been utilized for material stockpiling of this nature.

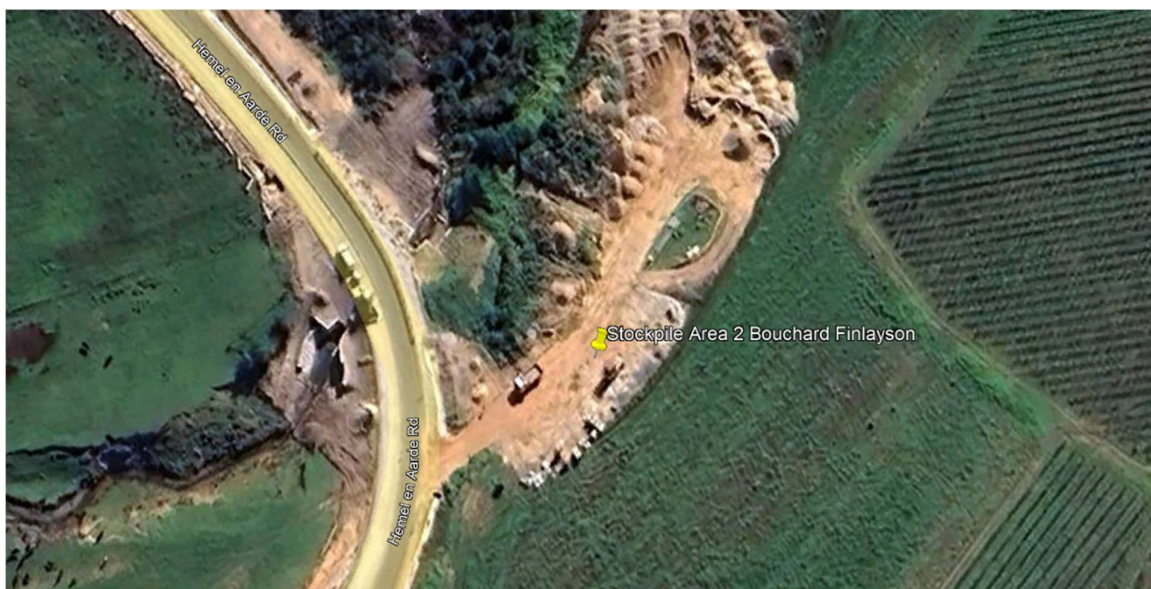






Stockpile Area 2 at Culvert Km 5.67

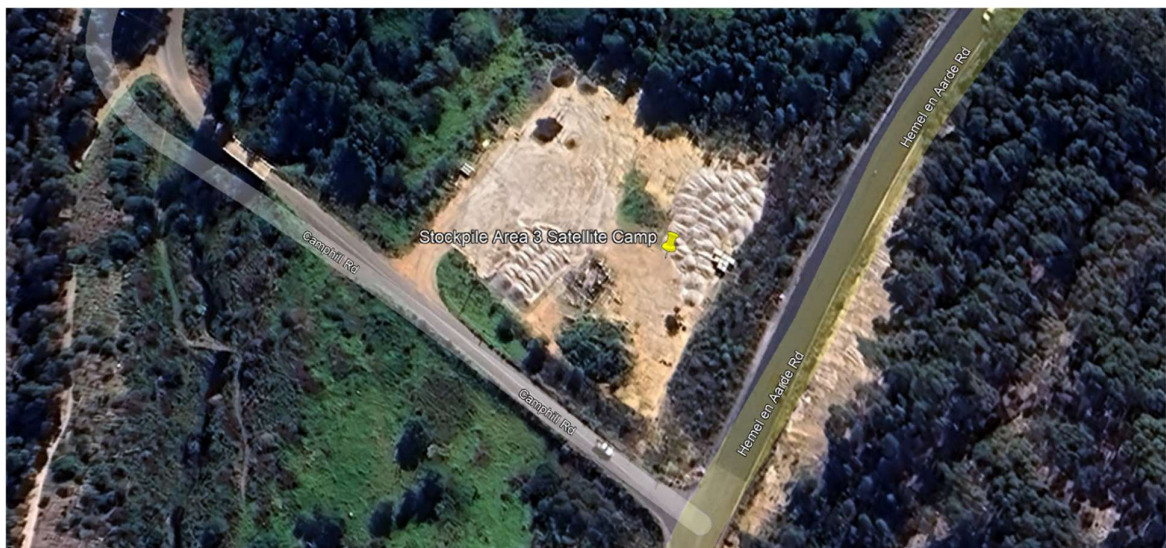
Stockpile area 2 was located on existing agricultural fields along the Hemel and Aarde Road where the works were to be undertake near the box culvert at Km 5.67. All stockpiled material has been removed, and the soil has been ripped as per the EMPr requirement.





Stockpile and site camp Area 3 Satellite Camp

This site was previously utilized as a stockpile and site camp area as part of the contract. The site is now again in use for this purpose as part of a concurrent contract for the emergency flood damage repairs to the Hartbees River causeway. Thus, the current status of this stockpile and site camp is no longer associated with this audit findings.

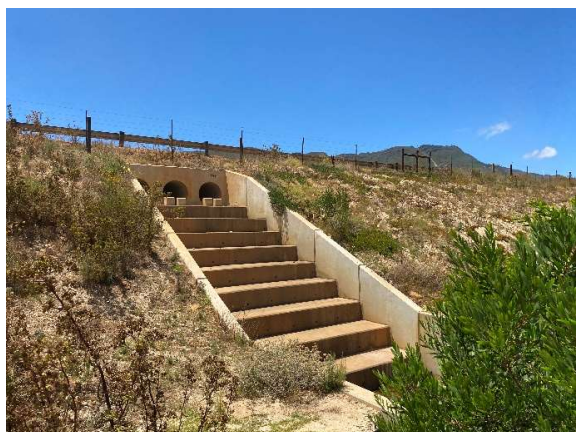




Culvert Upgrade and Rehabilitation at DR 1257 km 1.47

The culvert along the DR 1257 has been upgraded and the cleared surrounding area has been rehabilitated with indigenous natural vegetation. The three 600mm diameter pipe culverts that failed structurally have been replaced with three 1050mm diameter pipe culverts and a stepped concrete energy dissipating structure at the outlet to manage water flow and prevent erosion. Gabions were installed at the toe of the outlet structure to protect the embankment from erosion.







Culvert Upgrade at MR269 Km 5.67

The culvert at Km 5.67 has been completed and the adjacent material stockpile has been removed and rehabilitated. The culvert has been extended, and guardrails have been installed at the culvert opening for enhanced road safety. Extensive gabion work has been completed both along the eastern and western road shoulders and at the inlets/outlets to stabilize the embankments and prevent flood-related erosion.





Culvert Upgrade at MR269 Km 4.95

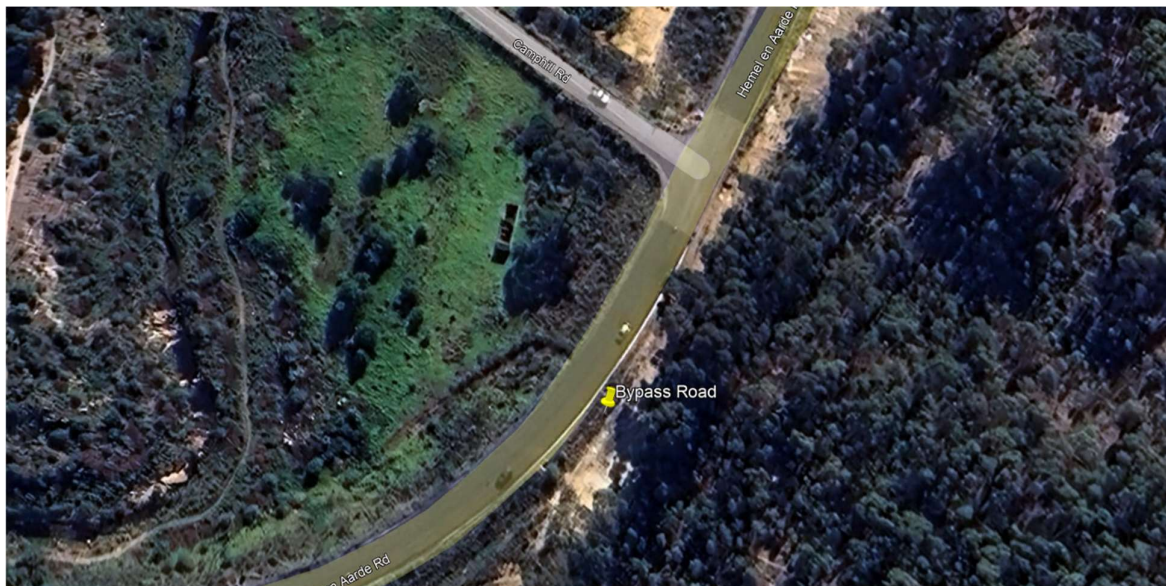
The culvert at Km 4.95 on the Hemel en Aarde road has been upgraded, and the areas shaped to allow for natural stormwater flows. Two 900mm diameter pipe culverts have been replaced with two new 1800mm x 1800mm box culverts with reinforced inlet and outlet structures. Gabions were installed at both ends to safeguard against flood erosion and embankment degradation.





Bypass Road

Due to flood damage from the Hartbees river along the shoulder of the road, a temporary bypass measure has been put in place and only the southern lane of the MR269 is operational at this stage until the flood damage has been reconstructed as part of a concurrent separate contract.





Roadway Conditions

The road surface upgrades have all been completed at the time of audit. The only road section to be completed include the section of the road where the bypass road have been utilized and forms part of a separate contract. At some sections of the road the new road markings are yet to be painted.



Invasive Tree removal

It was noted during the audit that along several stretches of the road reserve that alien tree clearing has been undertaken. Trees have been felled and the stumps were treated to prevent regrowth (blue).

