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ENVIRONMENTAL MONITORING REPORT 5

FOR

*Maintenance to and Management of the stormwater infrastructure for
Project 28(1) – Flood damage repair in George Municipal area*



Compiled by:

HillLand Environmental

Reference:

GEO24/1252/19

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**MAINTENANCE TO AND MANAGEMENT OF THE STORMWATER INFRASTRUCTURE FOR
PROJECT 28(1) – FLOOD DAMAGE REPAIR IN GEORGE MUNICIPAL AREA**

ENVIRONMENTAL MONITORING REPORT NO 5

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HillLand Environmental Internal review process:

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Environmental Monitoring Report No 5

HillLand Environmental, the appointed Environmental Control Officer (ECO) compiled this report as the environmental monitoring report (No.5). This report monitors compliance against the Maintenance Management Plan (MMP) (Ref.: GEO24/1252/14 – 6 June 2024) and constitutes the 5th Environmental Monitoring Report and covers inspections done during January 2025 for the implementation of the maintenance and management of flood damaged infrastructure in the George Municipal Area for portion 1 (non-NEMA sites), portion 2 (MMP sites) & portion 3(EA sites).

Portion 1 Sites:

- 28(1).4 – construction/rehabilitation activity complete
- 28(1).7 – construction/rehabilitation activity complete
- 28(1).21 – construction/rehabilitation activity complete
- 28(1).47 -construction/rehabilitation activity complete

Portion 2 Sites:

- 28(1).1
- 28(1).37 – construction complete – **final rehabilitation in process**
- 28(1).115-120

Portion 3 Sites:

- 28(1).2 – construction complete – **final rehabilitation in process**
- 28(1).69
- 28(1).77

Notification of commencement of the portion 3 sites was sent to DEA&DP on the 17th September 2024.

The construction footprint of each site has been pegged by the surveyor prior to commencement.

No environmental induction sessions done during this reporting period.

Site inspection during **January** 2025

Date	Comment
24 January 2025	Site inspection
30 January 2025	Site inspection
6 February 2025	Site inspection

PHOTOGRAPHIC RECORD AND COMMENTS

Site 28(1).1

- Construction in progress.
- Access method statement was approved by the ECO.
- Due to the historic dumped material, the side slopes are not stable and therefore the excavation and stockpile area is larger. The stockpile area is directly next to the stormwater outlet structure on previously distributed area.
- A section of the existing damaged stormwater pipe in the road had to be replaced.
- Regular dumping (local residents) within the construction site remains an ongoing issue.
- Portable toilet is on site.



Construction progress. Gabion installation in progress. Note the continual dumping of waste/litter in the stormwater outlet structure.



Unstable slope consisting of historical dumped waste.



Construction progress.



Construction progress and showing the stockpile area (RHS of the gabion structure).

Site 28(1).37

- Construction near completion and shaping/sloping still to be done – no environmental issues note.
- The slope below and backfilling above the gabion structure must be rehabilitated with grass seed/sods.
- Continual dumping (local residents) of litter and waste remains an ongoing issue.
- Access is gained via the existing municipal road.
- The gabion baskets were stockpiled in the Municipal sewage pump station site camp.
- Construction material was stockpiled next to the existing municipal road.



Gabion retaining wall construction completed.



Backfilling completed.



Continual dumping of waste and litter remains an ongoing issue.



The slope below the gabion structure has been shaped to the satisfaction of the ECO.

Site 28(1).115-120

- Construction in progress.
- **Silt fence to be used when working at the last gabion protection structure.**
- Surveyor pegged the stormwater structure (gabion and armorflex) footprint.
- No environmental issues noted.
- Construction footprint to be kept as small as possible.



Construction progress – armorflex stormwater channel.



Construction progress.



Temporary construction haul route.



Construction site – silt is captured in the armorflex.



Construction site.



Shaping and installation of the armorflex in progress.

Site 28(1).2

- Construction of the main gabion structure is complete.
- Shaping and backfilling done.
- Access method statement was approved by the ECO – minor deviation due to the steep slope and stability of the slope. The slope must be rehabilitated with grass seed/sods and small silt fences.
- Final rehabilitation in process.



Gabion structure construction completed – tie in and clean-up in progress.



Access track shaping is done.



Access area to be rehabilitated with grass seed/sod mix and erosion protection (small silt fences). The invasive alien plants on the access slope must be removed.



Backfilling completed.

Site 28(1).69

- Construction in progress on both structures.
- Ongoing dumping of waste and litter (local residents) remains an issue.
- Construction stockpile area is the existing transformed area next to the municipal road.
- Access to the site via the existing municipal road.
- Portable toilet is on site.



Construction progress (69a).



Contractor progress (69a) and construction material stockpile area. Note local residents busy dumping waste out of a wheely bin.



Construction progress (69a).



Construction footprint (69b). backfilling completed

Site 28(1).77

- Site preparation and excavation commenced in October 2024.
- Surveyor pegged the stormwater outlet structure.
- Silt fence must be installed and maintained to prevent silt movement downstream
- **temporary stream diversion in place.**
- Gabion installation commenced.
- Construction material stockpiled next to the municipal road.
- Access to the site is gained via the existing track to the municipal pump station.



Construction site.



Construction progress.

CONCLUSION AND RECOMMENDATIONS

The contractor and George Municipality are compliant with the Duty of Care for portion 1, the MMP for portion 2 sites and the EA and EMP/MMP for the portion 3 sites.

There are portable toilets at each of the active sites. Construction working zone is pegged by the surveyor before commencement and demarcation (pegs) is installed and maintained. Due to the nature of the sites (litter and dumped rubble), there is very limited topsoil to rescue.

Ongoing dumping of waste and litter (local residents) remain an ongoing issue at all sites.

Access to each of the sites was discussed with the ECO and engineer before commencement. Practical access deviation(s), where required, are to be discussed and agreed upon with the ECO and Engineer prior to being implemented.