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## ENVIRONMENTAL MONITORING REPORT 3

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:

**GEO24/1252/17**

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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 3**

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## **Environmental Monitoring Report No 3**

HillLand Environmental, the appointed Environmental Control Officer (ECO) compiled this report as the environmental monitoring report (No.3). This report monitors compliance against the Maintenance Management Plan (MMP) (Ref.: GEO24/1252/14 – 17 May 2024) and constitutes the 3<sup>rd</sup> Environmental Monitoring Report and covers inspections done during September 2024 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
- 28(1).47

### **Portion 2 Sites:**

- 28(1).1
- 28(1).37
- 28(1).115-120

### **Portion 3 Sites:**

- 28(1).2
- 28(1).69
- 28(1).77

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

Site inspection during **September** 2024

| Date              | Comment                                 |
|-------------------|-----------------------------------------|
| 27 September 2024 | Site inspection                         |
| 4 October 2024    | Site inspection (portion 3 inspections) |
| 11 October 2024   | Site inspection                         |

## PHOTOGRAPHIC RECORD

### 28(1).21

Construction is near completion, final rehabilitation to be completed.



### 28(1).47

Construction material stockpile area – previously transformed area.





Portable toilet on site. Material stockpile area – previously transformed area.



Construction progress – stormwater inlet

### 28(1).1

Construction in progress. Access method statement was approved by the ECO, no environmental issues noted.



Photo by WEC – 19.09.2024 – construction progress. Access (left) as per the contractor's method statement.

**28(1).37**

Construction near completion and shaping/sloping still to be done – no environmental issues note.



Backfilling behind the gabion structure in progress.



Construction progress – gabion retaining structure.



Portable ablution facility in the WWTW site.



Shaping/sloping below the gabion structure in progress.

**28(1).115-120**

Construction in progress. Surveyor pegged the stormwater structure footprint. No environmental issues noted.



Construction progress – site demarcation in place.



Site preparation and construction progress.



Construction progress.

**28(1).2**

Site preparation and excavation commenced in October 2024. Access method statement was approved by the ECO. Surveyor pegged the stormwater outlet structure. Bidum silt fence must be installed and maintained to prevent silt movement into the river.



Construction progress – rubble removed, and survey pegs installed.



Silt fence to be installed below the gabion structure to prevent silt movement into the river.



Construction material stockpile area – road reserve.



Construction progress.

**28(1).69**

Site preparation and excavation commenced in October 2024. Dumped rubble was removed to the municipal waste disposal site. Bidum silt fence must be installed and maintained to prevent silt movement into the stream.



Contractor setting out the construction footprint. Dumped rubble to be removed and disposed at the municipal waste disposal site.



Contractor setting out the construction footprint.



Construction footprint – silt fence to be installed below the last gabion position to prevent silt movement into the stream.



Construction zone demarcation in place.

**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.



Existing access track is used.



Contractor setting out the construction footprint. No plant rescue was required.



Contractor setting out the construction footprint.



Excavation in progress. Silt fence to be installed and maintained to prevent silt movement downstream.

## **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 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 is installed and maintained. Due to the nature of the sites (litter and dumped rubble), there is very limited topsoil to rescue.

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

Silt curtain / fence is required at the portion 3 sites and must be maintained during the construction phase to prevent siltation or contamination downstream.