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ENVIRONMENTAL MONITORING REPORT No. 1 FOR

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



Hilland Environmental
28.1-7
06.08.2024 12:50
-33.99346, 22.46195
20 Bruce St. Borchers, George

Compiled by:

Hilland Environmental

Reference:

GEO24/1252/15

Report Period:

June 2024 to July 2024

ISSUED BY:

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E-mail: cathy@hilland.co.za / environmental@hilland.co.zaWebsite: www.hilland.co.za**MAINTENANCE TO AND MANAGEMENT OF THE STORMWATER INFRASTRUCTURE FOR
PROJECT 28(1) – FLOOD DAMAGE REPAIR IN GEORGE MUNICIPAL AREA****ENVIRONMENTAL MONITORING REPORT NO 1****Conditions of report use:**

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Submitted to:	WEC consult George Municipality
Copies to:	

Report compiled by: Stefan Delport – HillLand Environmental**Report reviewed by:** Cathy Avierinos - HillLand Environmental

Environmental Monitoring Report No. 1

Hilland Environmental, the appointed Environmental Control Officer (ECO) compiled this report as the environmental monitoring report (**No.1**). This report monitors compliance against the Maintenance Management Plan (MMP) (Ref.: GEO24/1252/14 – 17 May 2024) and constitutes the 1st Environmental Monitoring Report and covers inspections done during **June and July 2024** for the implementation of the maintenance and management of flood damaged infrastructure in the George Municipal Area for portion 1 (non-NEMA sites) and portion 2 (MMP sites).

Portion 1 Sites:

- 28(1).4
- 28(1).7
- 28(1).21
- 28(1).47

Portion 2 Sites:

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

ECO monitoring during **June and July 2024**:

Date:	Comment:
8 May 2024	Site meeting
6 June 2024	Site inspection
11 June 2024	Site inspection
12 June 2024	Site inspection & environmental induction
2 July 2024	Site inspection
10 July 2024	Site inspection
17 July 2024	Site inspection
23 July 2024	Site inspection & environmental induction
6 August 2024	Site inspection

PHOTOGRAPHIC RECORD

28(1).4



Site condition before commencement



Site condition before commencement



Exposing the existing stormwater pipe



Working zone



New headwall and gabion/reno protection complete



Final shaping to be done



Temporary construction access – no environmental issues

28(1).7



Site condition before commencement



Site condition before commencement



Temporary construction access



Backfilling and compacting within the demarcated (pegged) footprint



Rehabilitation complete – erosion protection installed



Rehabilitation complete – erosion protection installed



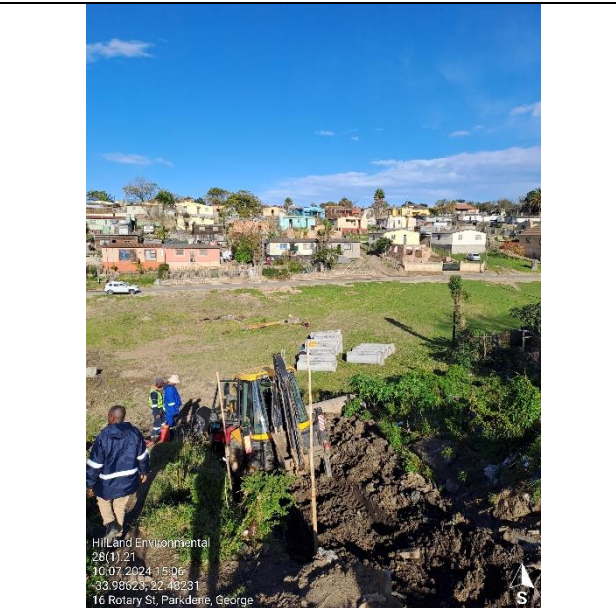
Site condition before commencement



Site condition before commencement



Exposing existing stormwater infrastructure and excavation within the pegged working zone.



Excavation of the stormwater pipe trench



Construction material stockpile



Exposing existing stormwater infrastructure



Construction progress



Construction progress – note the demarcation is in place which gets vandalized and/or stolen when the contractor leaves the site



Construction progress



Construction progress – new manhole



Construction progress – tie in with existing stormwater line



Site condition before commencement



Site condition before commencement



Construction footprint pegged out



Construction progress



Portable toilet facilities are available at each site



Construction material stockpile on existing disturbed area (historic dump area)



Construction progress – headwall construction



Construction progress – note the demarcation is in place at the time of the inspection

28(1).1



Site condition before commencement



Site condition before commencement



Proposed access to the site



Proposed access to the site



Construction footprint pegged out

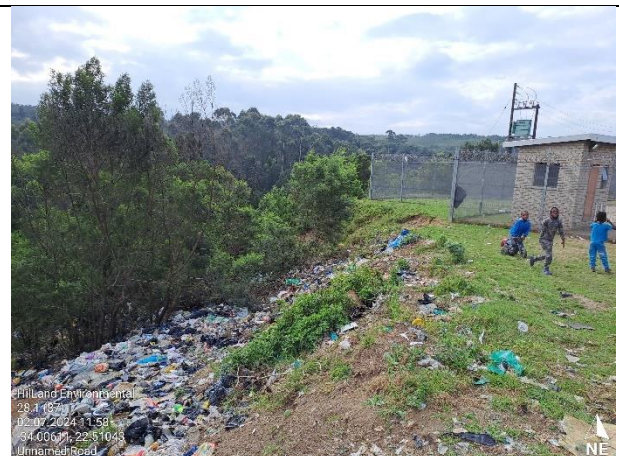


Construction footprint pegged out

28(1).37



Site condition before commencement



Site condition before commencement



Site condition before commencement



Site condition before commencement



Site condition before commencement



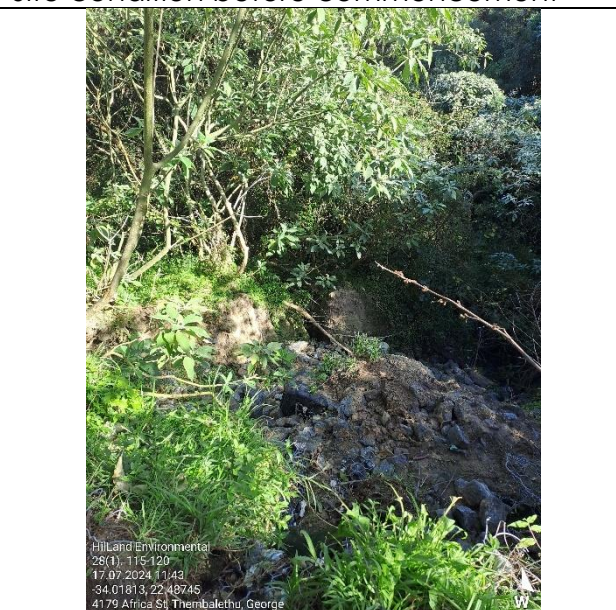
Site condition before commencement



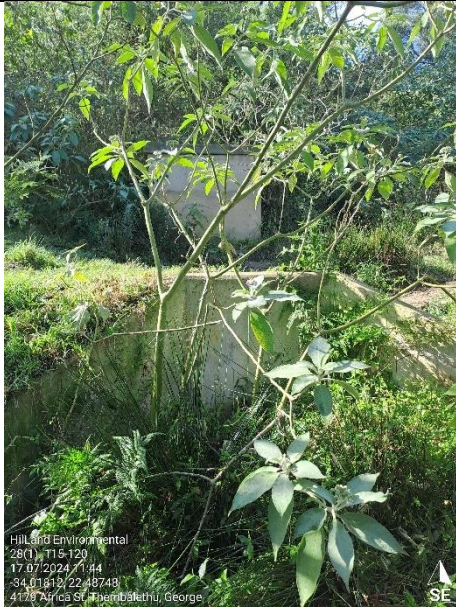
Site condition before commencement



Site condition before commencement
Proposed access to the site



Construction footprint pegged out



Construction footprint pegged out



Construction footprint pegged out

CONCLUSION AND RECOMMENDATIONS

The contractor and George Municipality are compliant with the Duty of Care for portion 1 and with the MMP for portion 2 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 (vandalism and theft). Access to each of the sites was discussed with the ECO and engineer before commencement and will be in line with the contractors method statement. Due to the nature of the sites (litter and dumped rubble) there is very limited topsoil to rescue. Practical access deviation(s), where required, to be discussed and agreed with the ECO and Engineer prior to being implemented.