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	3. SAFE OPERATING PROCEDURES & METHOD STATEMENTS	Rev date:	15/09/2019
		File name:	999 - MS-011-Storm water control

Contract no: C1049.03

Contract name: UPGRADING OF DIVISIONAL ROAD 1098 (KM5, 47 TO KM8, 79) AND REHABILITATION OF DIVISIONAL ROAD 1098 (KM8, 79 TO KM14, 24)

METHOD STATEMENT 011 – STORM WATER MANAGEMENT AND EROSION CONTROL

BASELINE CIVIL CONTRACTORS (PTY) LTD SUBMISSION FOR ACCEPTANCE				
	Name	Designation	Date	Signature
Prepared	JOHAN LUBBE	Safety Officer		
Approved	MARK CLOETE	Site Agent		
Submitted				

ENGINEERS APPROVAL				
	Name	Designation	Date	Signature
Engineers Acceptance				
Health and Safety Acceptance				
Environmental Acceptance				

WHAT work is to be undertaken?

Managing storm water and erosion on site during construction activities

WHERE are the works to be undertaken?

JOOSTENBERGVLAKE, Waarburgh Road.

WHEN are the works to start, what is the anticipated finish date?

Start: November 2023 – End: June 2025

HOW are the works to be undertaken?**Resources**Labour

- General Workers
- Site Supervisor
- Certified Plant Operators

Plant and equipment

- TLB
- Hand tools
- Grader

Material

- Sedimentation dams
- Cofferdams
- Deviation berms

Method description**1. The works**

- 1.1. During construction, the areas susceptible to erosion will be protected by installing the necessary temporary and permanent drainage works as soon as possible and by taking other measures necessary to prevent the surface water from being concentrated in streams and from scouring the slopes on banks or other areas.
- 1.2. Construction activities within the drainage channels shall be undertaken during the low flow periods as far as possible.
- 1.3. Surface and subsurface movement of water will be channelled to allow flow along natural drainage lines.
- 1.4. Stabilization of cleared areas to prevent and control erosion shall be done as soon as the construction activity in the specific area is completed.
- 1.5. The method of stabilization shall be determined in consultation with the ECO and RE.
- 1.6. Construction traffic and movement over stabilized areas shall be restricted to minimize negative impact on the area.
- 1.7. The migration of fine material from the construction activities into any watercourse shall be prevented by watering the areas for dust control and / or creating sedimentation dams before temporary water channels enter natural waterways.
- 1.8. Cofferdams or deviation berms will be built outside the water course to divert rain water run-off away from construction area under construction.
- 1.9. Contaminated run-off from any construction shall be prevented from directly entering the

streams.

- 1.10. New culvert structures should not impede the flow or be placed higher than the base level of the channels to ensure that low flows are not impeded.

2. Health and safety

- 2.1. All employees will be inducted prior to site access.
- 2.2. PPE will be provided to ensure that harmful contact with any products and materials does not occur.
- 2.3. Provision of adequate fire-fighting equipment and training.
- 2.4. Provision of adequate medical aid boxes and trained first aiders.
- 2.5. Risk assessments will be used to train site personnel on all the risks within their working environment.
- 2.6. Machine operators will be medically tested and deemed fit.
- 2.7. Employees will attend annual medical evaluation by an occupational health practitioner to evaluate their health.
- 2.8. All machine operators will be licensed and competent.
- 2.9. Daily, weekly and monthly monitoring, reviewing and reporting will be done on site.
- 2.10. Emergency control numbers and procedures will be readily available on site at all times.
- 2.11. All the required warning and safety signage will be in place.
- 2.12. All incidents and accidents will be reported immediately to the H&S Officer.

3. Environmental

- 3.1. All employees will be inducted prior to site access.
- 3.2. All areas used for storing of hazardous products and materials will be pre-approved by the ECO and RE.
- 3.3. All areas will be demarcated and where this hazardous materials is present there will be a bund area constructed and ground coverage will be placed to reduce the risk of natural ground exposure.
- 3.4. Storage facilities will be within a safe distance from water sources and plantation.
- 3.5. Signage will be placed at "NO-GO" areas.
- 3.6. All works will be monitored and minimum environmental disturbance will be enforced.
- 3.7. All incidents and accidents will be reported immediately to the ECO and RE.