

	SHEC MANAGEMENT SYSTEM	Doc no:	SHEC 3.2
		Rev no:	001
	3. SAFE OPERATING PROCEDURES & METHOD STATEMENTS	Rev date:	15/09/2019
		File name:	999 - MS-002-Site Clearing

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 002 – SITE CLEARING AND STOCKPILING

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?

Clear site, remove vegetation and topsoil material to stockpiles on and off site

WHERE are the works to be undertaken?

Joostenbergvlakte – Waarburgh Road, Project 1098

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

- Labourers
- Operators
- Supervisors

Plant and equipment

- LDV's
- TLB's
- Excavators
- 3 m³ tipper trucks
- 10 m³ tipper trucks
- Grader
- Water truck

Material

- Firefighting equipment (on plant)
- Adequate warning signage on site
- Water for dust control

PPE

- Overall (if labourer or operator)
- Safety boots
- Gloves
- Reflective vests
- Dust masks (if windy and dusty)
- Ear plugs in areas with high noise volumes

Method description

1. The works

- 1.1. The removal and stockpiling of vegetation and topsoil material will be carried out in accordance with a written site instruction received from the Supervisor.
- 1.2. Proposed sectional work areas to be identified and demarcated.
- 1.3. A search and rescue programme for identified plant species within respective demarcated areas will be done before site clearing starts. This needs to be done in conjunction with the appointed ECO.
- 1.4. Timeous notification for the start of the operation needs to be given in order for the Supervisor to arrange for the necessary inspection to be conducted by the appointed ECO, GNEC.
- 1.5. All the endemic vegetation (identified in consultation with ECO, GNEC) will be removed from the site and taken to the identified nursery, to be used to rehabilitate disturbed areas post construction.
- 1.6. All litter and inorganic material will also be removed from site prior to site clearing.
- 1.7. We will use plant in good working condition to clear and grub, remove and stockpile the surface vegetation and topsoil material (Also refer to MS03 for material handling).
- 1.8. Stockpiling to take place in identified and demarcated areas.
- 1.9. Vegetation stockpiled on site will not be burned under any circumstances.
- 1.10. Remove identified alien vegetation prior to stockpiling.
- 1.11. Topsoil to be windrowed on site, this area to be demarcated as a NO-GO" area.
- 1.12. The stockpile area will be fenced off with wooden stakes and demarcated with 2 strands of baling twine. Appropriate signage will be erected in an attempt to protect the stockpile area.
- 1.13. The topsoil material will be removed and placed on a stockpile for later use in areas agreed to with site management. Stockpiles shall be no more than 1.5m high and shall not be subject to compaction greater than 1500 kg/m².
- 1.14. Upon completion of the works, the topsoil will be placed and levelled by mechanical means in the areas instructed by the Supervisor.
- 1.15. During the period of site clearance, topsoil and stockpile removal, water will be sprayed on haul roads and working areas to minimize dust pollution as and when required.
- 1.16. Topsoil stockpiles shall be checked for erosion and dust generation. Where necessary, the topsoil stockpiles shall be vegetated with locally indigenous plant species, such as kweekgrass (*Cynodon dactylon*), as instructed by the Supervisor and at the cost of the client.
- 1.17. Maintenance of the stockpile is at the cost of the contractor.

2. Health and safety

- 2.1. All employees will be inducted prior to site access.
- 2.2. The required PPE for the job description will be provided to all site personnel during their induction.
- 2.3. Risk assessments will be used to train all site personnel on all risks within their working area.
- 2.4. Machine operators will be medically tested and deemed fit.
- 2.5. All machine operators will be licensed and competent.
- 2.6. All plant to have an acoustic reversing alarm and revolving amber light.
- 2.7. Employees will be inducted every time prior to the start of new activities on site.
- 2.8. Daily, weekly and monthly monitoring, reviewing and reporting will be done on site.
- 2.9. Emergency control numbers and procedures will be readily available on site at all times.

3. Environmental

- 3.1. All employees will be inducted by the appointed ECO, GNEC, as indicated in the EMP prior to site access.
- 3.2. A search and rescue programme for identified plant species within respective demarcated areas will be done before site clearing starts. This needs to be done in conjunction with the appointed ECO.
- 3.3. All work areas will be pre-approved by the ECO, GNEC, and Supervisor and no plantation or topsoil will be removed within prior consent from them.
- 3.4. Signage will be placed at no-go areas
- 3.5. In the event of any heritage remains being identified during construction activities (meteorites,

- fossils, coins, antiques, marine shells, bones etc.) this needs to be reported to the appointed ECO,GNEC, who in turn needs to report findings to the Provincial Heritage Resources Authority. Such remains may only be removed by a qualified heritage specialist.
- 3.6. Construction activities taking place adjacent to rivers and/or other water sources to be done from a safe distance and may only be permitted outside rainfall seasons.
 - 3.7. Due to potential impacts on Fauna & Flora, adjacent identified natural areas to be cordoned off as “NO-GO” areas. This needs to be done in accordance with the appointed ECO, GNEC, prior to construction.
 - 3.8. All stationary plant and/or vehicles used on site to utilise drip trays (minimum 10cm deep) to contain any spillage and prevent potential soil contamination.
 - 3.9. Dust control using a grey water source.
 - 3.10. Vehicles transporting materials that can easily be blown off and/or create excessive dust to use tarpaulins for containment.
 - 3.11. Spill kits to be available to clean up any potential spillage.
 - 3.12. Spillage in excess of 100 litres needs to be reported to the appointed ECO, GNEC.
 - 3.13. Eating areas on site to be sheltered, 2 x refuse bins, wind and scavenger proof provided with designated smoking area established.
 - 3.14. Site ablution facilities to be within 150m of work areas.
 - 3.15. All works will be monitored and controlled by Site Supervision / Management.