

## Environmental Monitoring Report - Upgrade of Divisional Road (DR) 1400

Upgrade of Divisional Road (DR) 1400 from KM8.20 - KM10.21, Nuy Station, Western Cape

**Complete**

Flagged items	2	Actions	4
<b>Project / Site Name</b>	Upgrade of Divisional Road (DR) 1400 from KM8.20 - KM10.21, Nuy Station, Western Cape		
<b>EA Reference Number</b>	16/3/3/1/B2/32/1010/22		
<b>Location</b>	Nuy Station, Worcester		
<b>Project Number</b>	2022/22		
<b>Developer</b>	Western Cape Government: Department of Transport and Public Works		
<b>Main Contractor</b>	Road-Mac Surfacing Cape		
<b>Employers Representative</b>	Carmen Lawrence (Bergstan)		
<b>Construction Commencement Date</b>	02 June 2025		
<b>Site Inspection Date</b>	18 Feb 2026		
<b>Report Number</b>	22		
<b>Environmental Control Officer (ECO)</b>	Duncan Dourans		

## Flagged items & Actions

2 flagged, 4 actions

### Flagged items

2 flagged, 2 actions

EMPr Checklist / 1. PROGRESS / 3. CONSTRUCTION PHASE

### 3.10. Waste Management

Partially Compliant

The waste storage area was previously observed to be in disrepair during the ECO's site inspection. The contractor must ensure that the waste storage area is reinstated for appropriate waste containment.

Large amounts of litter was noted at the stockpile/laydown area near the waste storage area. The Contractor must ensure that all the litter is picked up and disposed of within the waste storage area. Furthermore, regular litter sweeps should be conducted at the working areas on site.



Photo 49



Photo 50



Photo 51



Photo 52

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - The waste storage area at the stockpile/laydown area must be reinstated. All the litter in the area must be picked up and disposed of within the waste storage area.

EMPr Checklist / 1. PROGRESS / 3. CONSTRUCTION PHASE

### 3.19. Flora

Partially Compliant

Unnecessary disturbance to vegetation at approximately KM9.20 was observed during the ECO's previous site inspection. This disturbance was caused by an excavator operator that crawled adjacent to the road reserve for temporary access to complete the installation of subsoil pipes. The Contractor should ensure that the temporary access route is demarcated as a 'no-go' area.

Furthermore, the disturbed area should be rehabilitated as per the Rehabilitation Plan. Additionally, the ECO is of the opinion that a refresher toolbox talk should be conducted to make all staff aware that disturbance to vegetation should be minimized.



Photo 73



Photo 74

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - Ensure the temporary access route is demarcated as a 'no-go' area. The disturbed area should be rehabilitated accordingly. A toolbox talk should be conducted regarding unnecessary disturbance to vegetation.

### Other actions

2 actions

EMPr Checklist / 1. PROGRESS / 2. PRE-CONSTRUCTION PHASE

### 2.9. Freshwater Impact Assessment (FEN, 2021).

Compliant

Site preparation required, prior to commencement of construction activities:

The Contractor laydown areas and stockpiles have been established outside any drainage lines or sensitive

areas. All works must remain within the existing road servitude; All footprint areas have remained thus far as small as possible and vegetation clearing has been limited to what is absolutely essential; Retain as much indigenous vegetation as possible;

Vehicles to be serviced at the contractor laydown area and all re-fueling is to take place outside of riparian drainage line and 32m NEMA ZoR as well as outside of the delineated episodic drainage lines;

Utilize existing roads only to gain access to the construction site; and The EMPr requires that the riparian drainage line and 32 m NEMA ZoR as well as the episodic drainage lines are clearly demarcated and marked as a 'no-go' area. These areas have been marked with droppers painted red along the road reserve.



Photo 41



Photo 42



Photo 43

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - Try to further demarcate the riparian drainage line and 32m NEMA ZoR with construction netting/droppers. Only clear what is absolutely essential. Work must be undertaken carefully in this area.

EMPr Checklist / 1. PROGRESS / 3. CONSTRUCTION PHASE

### 3.21. No-go / sensitive areas

Compliant

A cemetery has been located in close proximity to the road reserve and construction area. The cemetery has sufficient construction netting for no-go demarcation. The construction netting was found to be in disrepair during the site inspection. The no-go demarcation should be reinstated accordingly. Unfortunately, no photos of the construction netting was taken.

The EMPr requires that the riparian drainage line and 32 m NEMA ZoR as well as the episodic drainage lines are clearly demarcated and marked as a 'no-go' areas. These areas have been marked with droppers painted red along the road reserve. There is no obvious drainage channel or riparian area when on site. Only disturbance within the road reserve has taken place.

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - Ensure the no-go demarcation at the cemetery is reinstated accordingly.

## EMPr Checklist

2 flagged, 4 actions

### 1. PROGRESS

2 flagged, 4 actions

#### Progress/Update

Information Item /  
Non-Auditable

Construction activities have commenced along the DR1400 upgrade section, namely KM8.2 - KM10.21.

The road reserve (working area) has been demarcated with droppers and existing fencing along the entire 2km stretch.

The flora search and rescue has been undertaken.



Photo 1



Photo 2



Photo 3



Photo 4

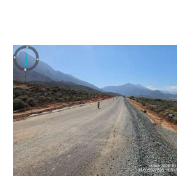


Photo 5



Photo 6



Photo 7



Photo 8



Photo 9



Photo 10



Photo 11



Photo 12

### 2. PRE-CONSTRUCTION PHASE

1 action

#### 2.1. Environmental Awareness (Induction) Training

Compliant

All staff currently working on site have undergone environmental induction for the 2026 year. A signed environmental induction register was observed in the Contractor's file on site.

All staff working on site must undergo an environmental induction, prior to commencing with work. The environmental induction must explain the importance and requirements of the EMPr. A signed environmental induction register must be used to keep record of all inductions done, and a copy should be kept in the Environmental File on site. A copy of an updated signed induction register must be sent to the ECO monthly. All new staff and sub-contractors who join the project throughout the construction phase must undergo an environmental induction, prior to commencing with work on site.



Photo 13



Photo 14



Photo 15

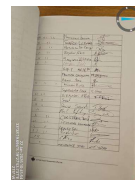


Photo 16



Photo 17



Photo 18



Photo 19

#### 2.2. Site Documentation

Compliant

The ECO inspected the Contractor's file on site. All relevant documentation required in the file in terms of the EMPr, was noted in the file.

The following documents should be maintained in the Environmental File:

- Access negotiations and physical access plan
- Site daily diary /instruction book
- Records of all remediation / rehabilitation activities
- Copies of EO reports (management and monitoring)
- Environmental Management Programme (EMPr)
- Environmental Authorisation
- Environmental Complaints register.
- Method statements
- Safety disposal slips (Waste disposal)

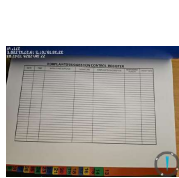


Photo 20

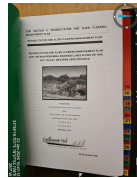


Photo 21



Photo 22



Photo 23



Photo 24

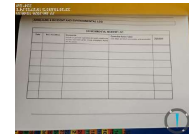


Photo 25

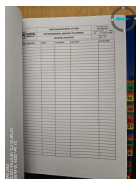


Photo 26



Photo 27

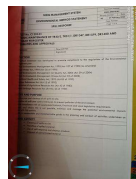


Photo 28



Photo 29

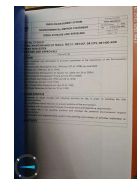


Photo 30



Photo 31

## 2.3. Pro Forma Documentation

Compliant

### 3.8.3 Pro Forma Documentation

#### 3.8.3.1 Prior to the commencement of construction activities

The pro forma documentation (Attached at the back of the EMPr) is to be filled out and is binding to the EMPr and project contract and includes, but not limited to, the following:

- Declaration of understanding by the Developer
- Declaration of understanding by the Contractor
- Declaration of understanding by the Engineer

The ECO noted signed declaration of understandings for the Contractor, Engineer and the Developer in the Contractor's file on site.

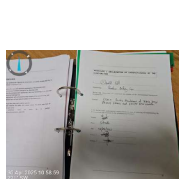


Photo 32



Photo 33



Photo 34

## 2.4. Visual Impact

Not Applicable

No lights have been installed or were being used on site.

## 2.5. Traffic Impact

Compliant

All Breede Municipality road rules and signs were being followed by staff and operators on site. Access for Municipal Waste Trucks was still available within the construction area and site camp area.

## 2.6. Project Contract and Programme

Compliant

The ECO is unable to confirm if the EMPr has been included in the contract documentation for the Contractor. The ECO confirms the MMP was included in the tender/contract document. However, the ECO

noted signed declaration of understandings for the Contractor, Engineer and the Developer in the Contractor's file on site, confirming that the project team are aware of the EMPr and that it will be implemented during the construction phase.

A copy of the EMPr and a signed register for training on the EMPr were being maintained in the Environmental File on site.

It should be noted that construction should be undertaken during the dry season period to limit surface water contamination and the need for surface water diversion during construction works. The Contractor should try leave the culvert work for the dry season.

Working areas for the entire section of the road have been demarcated along the road reserve with droppers painted red.

## 2.7. Site Demarcation and Development

Compliant

Sufficient construction netting is available at the graveyard for no-go demarcation. The contractor must ensure the no-go demarcation is maintained.

The surveys for the overall project area and construction footprint as approved in the Environmental Authorisation (EA) had been undertaken.

Working areas for the entire section of road have been demarcated along the road reserve with droppers painted red and existing fencing. The ECO has inspected the demarcations.

According to the EMPr, "No construction personnel or vehicles are to be allowed on the north side of the construction area in the natural vegetation. The existing transformed areas and borrow pits are to be used to storing of construction equipment and vehicles".



Photo 35



Photo 36



Photo 37



Photo 38



Photo 39

## 2.8. Emergencies, Non-Compliance and Communication

Compliant

The following method statements have been submitted to the ECO:

- Emergency spills procedures for the contamination of soils from spills and fire
- Handling & storage of oils and chemicals
- Diesel tanks and refuelling procedures
- Workshop maintenance and cleaning of plant
- Fire
- Waste management
- Dust Control
- Cement and concrete batching, which includes the storage, washing & disposal of cement, packaging, tools and plant
- Crew camps and construction lay down areas



Photo 40

[C1203.01 Site Establishment Plan - Method Statement.pdf](#)

[ENV MS 011 - Cement and Concrete Batching.pdf](#)

## 2.9. Freshwater Impact Assessment (FEN, 2021).

Compliant

Site preparation required, prior to commencement of construction activities:

The Contractor laydown areas and stockpiles have been established outside any drainage lines or sensitive areas. All works must remain within the existing road servitude; All footprint areas have remained thus far as small as possible and vegetation clearing has been limited to what is absolutely essential; Retain as much indigenous vegetation as possible;

Vehicles to be serviced at the contractor laydown area and all re-fueling is to take place outside of riparian drainage line and 32m NEMA ZoR as well as outside of the delineated episodic drainage lines;

Utilize existing roads only to gain access to the construction site; and The EMPr requires that the riparian drainage line and 32 m NEMA ZoR as well as the episodic drainage lines are clearly demarcated and marked as a 'no-go' area. These areas have been marked with droppers painted red along the road reserve.



Photo 41



Photo 42



Photo 43

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - Try to further demarcate the riparian drainage line and 32m NEMA ZoR with construction netting/droppers. Only clear what is absolutely essential. Work must be undertaken carefully in this area.

## 2.10. Botanical Impact Assessment (Capensis, 2021).

Compliant

A 'search and rescue' has been undertaken for the Mesembryanthemum varians plants and any other protected species found within the construction area. The species were transplanted immediately into fynbos areas on farms along the 2km stretch of road where no development is deemed to take place in future. These were farms on the North side of DR1400.

Working areas for the entire section of road have been demarcated along the road reserve with droppers painted red and existing fencing. The ECO has inspected the demarcations.

The EMPr requires that the riparian drainage line and 32 m NEMA ZoR as well as the episodic drainage lines are clearly demarcated and marked as a 'no-go' areas. These areas have been marked with droppers painted red along the road reserve. There is no obvious drainage channel or riparian area when on site. Only activities within the road reserve has taken place.

[A0458 - DR 1400 S&R report Annexure A.pdf](#)

[A0458- DR 1400 S&R Report June 20205.pdf](#)

## 3. CONSTRUCTION PHASE

2 flagged, 3 actions

### 3.1. Stockpiles

Compliant

Spoil material from the upgrading of DR1400 activities was taking place at an old borrow pit on the Northern side of DR1400 around KM9.1 and at an area around KM8.3 that was previously cleared by a farmer. The stockpile area near KM9.1, has been previously disturbed/mined and the farmer is looking to backfill and rehabilitate this area.

### 3.2. Topsoil Management

Compliant

All topsoil cleared from the DR1400 working area was being spoiled at an old borrow pit on the Northern side of DR1400 around KM9.1. The stockpile area has been previously disturbed/mined and the farmer is looking to backfill and rehabilitate this area. The EMPr requires that previously disturbed areas along the DR1400 be used to spoil/stockpile material.

### 3.3. Oil and Chemicals

Compliant

The contractor is reminded to ensure that drip trays are placed under all machinery and vehicles.

Copies of the "Handling of Hazardous Chemicals" method statement as well as the Emergency spills and fire" method statements have been sent to the ECO. No oil and chemicals were being stored on site thus far.

An oil spill kit was noted at the site camp/office area.

All spilled hazardous substances must be contained in impermeable containers for removal to a General & Hazardous Waste Landfill site, (this includes contaminated soils, and drenched spill kit material).



Photo 44

### 3.4. Concrete

Information Item /  
Non-Auditable

No cement/concrete mixing was noted during the site inspection.

### 3.5. DANGEROUS AND TOXIC MATERIALS Provision of storage facilities

Information Item /  
Non-Auditable

No dangerous and toxic materials were being used or stored on site.

### 3.6. Bulk Storage of Fuels and Oils

Information Item /  
Non-Auditable

No bulk storage of fuel was taking place on site.

### 3.7. Use of Dangerous and Toxic Materials

Compliant

An oil spill kit was noted at the site camp/office.

The ECO has received the method statements for emergency procedures which deals with spillages and fires.

The Contractor appointed a company to conduct fire training with all staff on site. The ECO has received a signed register confirming the attendance. Fire fighting equipment was available on site.



Photo 45



Photo 46

[Tjeka Basic Fire fighting Attendance Register.pdf](#)

### 3.8. Eating Areas and Camp Followers

Compliant

The ECO noted a suitable eating area established for the staff working at the DR1400 contract. No waste bin was noted at the eating area during the previous site inspection. The ECO was unable to verify if the waste storage areas was present at the working area due the area being inaccessible at the time of this site inspection.



Photo 47

### 3.9. Toilets and Ablution Facilities

Compliant

Toilets are available at the site camp area and the working area along DR1400 for staff to make use of. The toilet seemed to be in good condition.



Photo 48

### 3.10. Waste Management

Partially Compliant

The waste storage area was previously observed to be in disrepair during the ECO's site inspection. The contractor must ensure that the waste storage area is reinstated for appropriate waste containment.

Large amounts of litter was noted at the stockpile/laydown area near the waste storage area. The Contractor must ensure that all the litter is picked up and disposed of within the waste storage area. Furthermore, regular litter sweeps should be conducted at the working areas on site.



Photo 49



Photo 50



Photo 51



Photo 52

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - The waste storage area at the stockpile/laydown area must be reinstated. All the litter in the area must be picked up and disposed of within the waste storage area.

### 3.11. Dust

Compliant

No major dust was observed during the site inspection of the ECO.



Photo 53



Photo 54



Photo 55



Photo 56



Photo 57

### 3.12. Workshop Equipment, Maintenance and Storage

Compliant

A method statement for workshop and equipment was noted in the Contractor's file on site.



Photo 58

### 3.13. Noise

Compliant

No excessively loud noises or disturbances were heard or observed during the ECO's site inspection. No complaints regarding noise or working hours has been recorded or reported to the ECO.

### 3.14. Crew Camps

Compliant

The site camp for Road-Mac is situated at 18 Krone Road in Worcester. The Contractor is hiring an office space at a factory.

No staff will be accommodated on site.

The site camp was neat and tidy and no dust was noted in the site camp area.



Photo 59



Photo 60



Photo 61



Photo 62



Photo 63



Photo 64



Photo 65



Photo 66

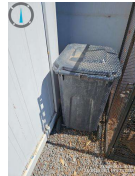


Photo 67



Photo 68

### 3.15. Visual Impact

Information Item /  
Non-Auditable

### 3.16. Fires

Compliant

The ECO has since received the "fire" method statement from the Civil Contractor.

Appropriate fire-fighting equipment was available at the site camp.

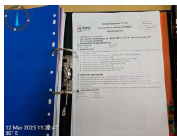


Photo 69



Photo 70

### 3.17. Erosion and Sedimentation

Compliant

No erosion or sedimentation issues were observed during the site inspection.

### 3.18. Fauna

Compliant

All construction workers have been informed during the induction that the intentional killing of any animal on site is not permitted and that poaching any animal on site will be immediate dismissal. Staff are given a basic training on how to deal with fauna on site during their inductions according to the Contractor.

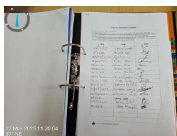


Photo 71

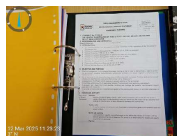


Photo 72

### 3.19. Flora

Partially Compliant

Unnecessary disturbance to vegetation at approximately KM9.20 was observed during the ECO's previous site inspection. This disturbance was caused by an excavator operator that crawled adjacent to the road reserve for temporary access to complete the installation of subsoil pipes. The Contractor should ensure that the temporary access route is demarcated as a 'no-go' area.

Furthermore, the disturbed area should be rehabilitated as per the Rehabilitation Plan. Additionally, the ECO is of the opinion that a refresher toolbox talk should be conducted to make all staff aware that disturbance

to vegetation should be minimized.



Photo 73



Photo 74

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - Ensure the temporary access route is demarcated as a 'no-go' area. The disturbed area should be rehabilitated accordingly. A toolbox talk should be conducted regarding unnecessary disturbance to vegetation.

### 3.20. Heritage

Compliant

No heritage artefacts or remains have been reported or discovered thus far.

A cemetery has been located in close proximity to the road reserve and construction area. The cemetery has sufficient construction netting for no-go demarcation. The cemetery must be regarded as a no-go area for all staff.

In terms of the National Heritage Act, 1999 (Act No. 25 of 1999), should any archaeological artefacts be exposed during construction activities, work on the area where the artefacts were found shall cease immediately and the ECO as well as the Local Council shall be notified within 24 hours. Finds of human remains must be treated as a crime scene.

### 3.21. No-go / sensitive areas

Compliant

A cemetery has been located in close proximity to the road reserve and construction area. The cemetery has sufficient construction netting for no-go demarcation. The construction netting was found to be in disrepair during the site inspection. The no-go demarcation should be reinstated accordingly. Unfortunately, no photos of the construction netting was taken.

The EMPr requires that the riparian drainage line and 32 m NEMA ZoR as well as the episodic drainage lines are clearly demarcated and marked as a 'no-go' areas. These areas have been marked with droppers painted red along the road reserve. There is no obvious drainage channel or riparian area when on site. Only disturbance within the road reserve has taken place.

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - Ensure the no-go demarcation at the cemetery is reinstated accordingly.

### 3.22. Access Route/Haul Roads

Compliant

Existing roads were used to access the construction area.

### 3.23. Crime, Safety and Security

Information Item /  
Non-Auditable

Copies of the "Handling of Hazardous Chemicals" method statement as well as the Emergency spills and fire" method statements have been sent to the ECO.

The contractor shall ensure that lists of all emergency telephone numbers / contact persons are kept up to date and that all numbers and names are posted at relevant locations throughout the construction site.

### 3.24. Visual impact

Information Item /  
Non-Auditable

Shade cloth must be utilised to conceal and minimise the visual impact of contractor camps, lay down and storage areas.

Rubble and litter must be removed every two weeks or more often as the need arises and be disposed of at a registered landfill site as designated by the Breede Valley Municipalities Solid Waste removal department.

**3.25. Hydrology**

Information Item /  
Non-Auditable

**3.26. Soil**

Information Item /  
Non-Auditable

**1. The holder is authorised to undertake the listed activities specified in Section B above in accordance with and restricted to the preferred Alternative described in the BAR received on 27 May 2022 on the site as described in Section C above.**

Compliant

Construction activities have since commenced along the DR1400 road upgrade section. All activities underway were being undertaken in accordance with and restricted to the preferred Alternative described in the BAR received on 27 May 2022.

**2. The holder must commence with, and conclude, the listed activities within the stipulated validity period which this Environmental Authorisation is granted for, or this Environmental Authorisation shall lapse and a new application for Environmental Authorisation must be submitted to the competent authority.**

**This Environmental Authorisation is granted for-**

**(a) A period of five (5) years, from the date of issue, during which period the holder must commence with the authorised listed activities.**

**(b) A period of ten (10) years, from the date the holder commenced with the authorised listed activities, during which period the authorised listed activities, must be concluded.**

Compliant

a) According to the Engineer, activities commenced on site on the 1st August 2024 originally but the contract had been cancelled and will be recommencing shortly.

b) Construction activities for the new contract commenced on the 2nd June 2025 and must be completed by the 2nd of June 2035.

**3. The holder shall be responsible for ensuring compliance with the conditions by any person acting on his/her behalf, including an agent, sub-contractor, employee or any person rendering a service to the holder.**

Information Item /  
Non-Auditable

The Holder should take note of this condition. All responsibility in terms of compliance with the conditions of the EA, by any person on site, remains the responsibility of the Holder.

**4. Any changes to, or deviations from the scope of the alternative described in section B above must be accepted or approved, in writing, by the Competent Authority before such changes or deviations may be implemented. In assessing whether to grant such acceptance/approval or not, the Competent Authority may request information in order to evaluate the significance and impacts of such changes or deviations, and it may be necessary for the holder to apply for further authorisation in terms of the applicable legislation.**

Compliant

No amendments to the scope of the alternative described in Section B of the EA has been reported to the ECO.

**5. Seven calendar days' notice, in writing, must be given to the Competent Authority before commencement of construction activities.**

**5.1. The notice must make clear reference to the site details and EIA Reference number given above.**

**5.2. The notice must also include proof of compliance with the following conditions described herein:**

**Conditions: 6, 7, 11 and 18.**

The ECO notified the Competent Authority on the 2nd of May 2024 that construction activities would commence within 7 calendar days on site. The notification included proof of compliance with Conditions 6, 7, 11 and 18.

Update: Construction activities only commenced on the 1st of August 2024 due to delays. The contract was then cancelled at the end of 2024 and a new contract and Contractor had commenced with work on site on 2nd June 2025.

[DR1400 KM8.2 - KM10.21 - Notification of Commencement - 02 May 2024.pdf](#)

Compliant

**6. The holder must in writing, within 14 (fourteen) calendar days of the date of this decision-**

**6.1. notify all registered Interested and Affected Parties ("I&APs") of -**

- 6.1.1. the outcome of the application;**
- 6.1.2. the reasons for the decision as included in Annexure 3;**
- 6.1.3. the date of the decision; and**
- 6.1.4. the date when the decision was issued.**

**6.2. draw the attention of all registered I&APs to the fact that an appeal may be lodged against the decision in terms of the National Appeals Regulations, 2014 detailed in Section F below;**

**6.3. draw the attention of all registered I&APs to the manner in which they may access the decision;**

**6.4. provide the registered I&APs with:**

- 6.4.1. the name of the holder (entity) of this Environmental Authorisation,**
- 6.4.2. name of the responsible person for this Environmental Authorisation,**
- 6.4.3. postal address of the holder,**
- 6.4.4. telephonic and fax details of the holder,**
- 6.4.5. e-mail address, if any, of the holder,**
- 6.4.6. the contact details (postal and/or physical address, contact number, facsimile and e-mail address) of the decision-maker and all registered I&APs in the event that an appeal is lodged in terms of the 2014 National Appeals Regulations.**

Compliant



Photo 75

[20761 EA Notification Letter 20220913.pdf](#)

**7. The listed activities, including site preparation, may not commence within 20 (twenty) calendar days from the date of issue of this Environmental Authorisation. In the event that an appeal is lodged with the Appeal Authority, the effect of this Environmental Authorisation is suspended until the appeal is decided.**

Compliant

The EA was issued on the 12th September 2022 and activities commenced on the 01 August 2024.

**8. The draft or Environmental Management Programme (“EMPr”) submitted as part of the application for Environmental Authorisation is hereby approved and must be implemented.**

Compliant

The ECO has provided the Civil Contractor with a copy of the EMPr to be implemented on site.

The EMPr was being implemented by the Contractor on site, as can be seen from their compliance achieved in this report.

[20761\\_Final\\_EMPr\\_DR1400\\_20220527.pdf](#)

**9. The Maintenance Management Plan (“MMP”) adopted as part of this Environmental Authorisation must be implemented.**

Information Item /  
Non-Auditable

The Holder must ensure the MMP is implemented during all maintenance activities within the watercourses.

[20761\\_Final\\_RMMP\\_DR1400\\_20220527.pdf](#)

**10. The EMPr and MMP must be included in all contract documentation for all phases of implementation.**

Information Item /  
Non-Auditable

The ECO is unable to confirm if the EMPr has been included in the contract documentation for the Contractor. The ECO confirms the MMP was included in the tender/contract document. However the ECO noted signed declaration of understandings for the Contractor, Engineer and the Developer in the Contractor's file on site, confirming that the project team are aware of the EMPr and that it will be implemented during the construction phase.



Photo 76



Photo 77

**11. The holder must appoint a suitably experienced environmental control officer (“ECO”), or site agent where appropriate, before commencement of the proposed development to ensure compliance with the provisions of the EMPr, and the conditions contained herein. The ECO must conduct site visits as prescribed in the EMPr and must submit ECO Reports on a monthly basis to the competent authority.**

Compliant

Doug Jeffery Environmental Consultants (Pty) Ltd have been appointed to provide ECO Monitoring Services for the duration of this project, prior to commencement. Duncan Dourans will be the ECO monitoring activities on site.

**12. A copy of the Environmental Authorisation, EMPr, audit reports and compliance monitoring reports must be kept at**

Compliant

**the site of the authorised activities, and must be made available to anyone on request, including a publicly accessible website.**

An environmental file was available on site for auditing and it contained copies of all the documents required in terms of Condition 12.



Photo 78



Photo 79



Photo 80

**13. Access to the site referred to in Section C above must be granted, and the environmental reports mentioned above must be produced, to any authorised official representing the Competent Authority who requests to see it for the purposes of assessing and/or monitoring compliance with the conditions contained herein.**

The DEA&DP have not visited the site yet.

The ECO did not experience any difficulty with accessing the site.

Compliant

**14. In terms of Regulation 34 of the NEMA EIA Regulations, 2014, the holder must conduct environmental audits to determine compliance with the conditions of the Environmental Authorisation, the EMPr and submit Environmental Audit Reports to the Competent Authority. The Environmental Audit Report must be prepared by an independent person, that is not the ECO referred to in Condition 11 above and must contain all the information required in Appendix 7 of the NEMA EIA Regulations, 2014.**

**The audit reports must be compiled and subsequently submitted to the Department in the following manner:**

**14.1. The holder must undertake an environmental audit and submit an Environmental Audit Report to the Competent Authority once every 6 months for the duration of construction activities.**

**14.2. A final Environmental Audit Report must be submitted within three months after the development is completed.**

**The holder must, within 7 days of the submission of each of the above-mentioned reports to the Competent Authority, notify all potential and registered I&APs of the submission and make the report available to anyone on request and on a publicly accessible website (if applicable).**

14.1) Regulation 34 audits are required every 6 months during the construction phase  
- The first External Regulation 34 Audit was conducted on 13 October 2025.

14.2) A final Environmental Audit Report must be submitted within three months after the development is completed.

Information Item /  
Non-Auditable

**15. Should any heritage remains be exposed during**

Compliant

excavations or any other actions on the site, these must immediately be reported to the Provincial Heritage Resources Authority of the Western Cape, Heritage Western Cape. Heritage remains uncovered or disturbed during earthworks must not be further disturbed until the necessary approval has been obtained from Heritage Western Cape.

Heritage remains include: meteorites, archaeological and/or palaeontological remains (including fossil shells and trace fossils); coins; indigenous and/or colonial ceramics; any articles of value or antiquity; marine shell heaps; stone artifacts and bone remains; structures and other built features with heritage significance; rock art and rock engravings; and/or graves or unmarked human burials including grave goods and/or associated burial material.

No heritage artefacts or remains have been found/observed on site or been reported to the ECO.

A cemetery has been located in close proximity to the road reserve and construction area. The cemetery has sufficient construction netting for no-go demarcation. The construction netting was found to be in disrepair during the site inspection. The no-go demarcation should be reinstated accordingly. Unfortunately, no photos of the construction netting was taken.

**16. A qualified archaeologist and/or palaeontologist must be contracted where necessary (at the expense of the holder) to remove any heritage remains. Heritage remains can only be disturbed by a suitably qualified heritage specialist working under a directive from the relevant heritage resources authority.**

Information Item /  
Non-Auditable

No heritage artefacts or remains have been found/observed on site or been reported to the ECO.

**17. An integrated waste management approach, which is based on waste minimisation and incorporates reduction, recycling, re-use and disposal, where appropriate, must be employed. Any solid waste must be disposed of at a landfill licensed in terms of the applicable legislation.**

Compliant

The waste storage area was previously observed to be in disrepair during the ECO's site inspection. The contractor must ensure that the waste storage area is reinstated for appropriate waste containment.

Large amounts of litter was noted at the stockpile/laydown area near the waste storage area. The Contractor must ensure that all the litter is picked up and disposed of within the waste storage area. Furthermore, regular litter sweeps should be conducted at the working areas on site.

Waste bins with lids and a waste skip were noted at the site camp area.

Cleared vegetation was being stockpiled at the spoil area near KM9.1. The vegetation will be spread over the topsoil material being cut and spoilt at the borrow pit to assist with natural rehabilitation of the area.



Photo 81

**18. The development areas must be clearly demarcated prior to the commencement of the proposed development. All areas outside the demarcated areas must be regarded as**

Compliant

### **“no-go” areas.**

Certain sections along KM8.2 - KM10.21 were already fenced off with existing fencing. However, there are sections along KM8.2 - KM10.21 without any fencing. These areas have been demarcated with droppers painted red.

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## Media summary



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 7



Photo 8



Photo 9



Photo 10



Photo 11



Photo 12





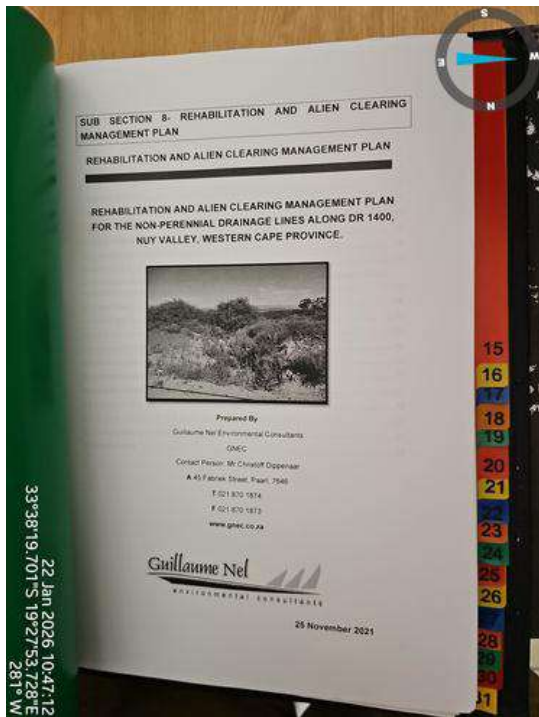


Photo 21

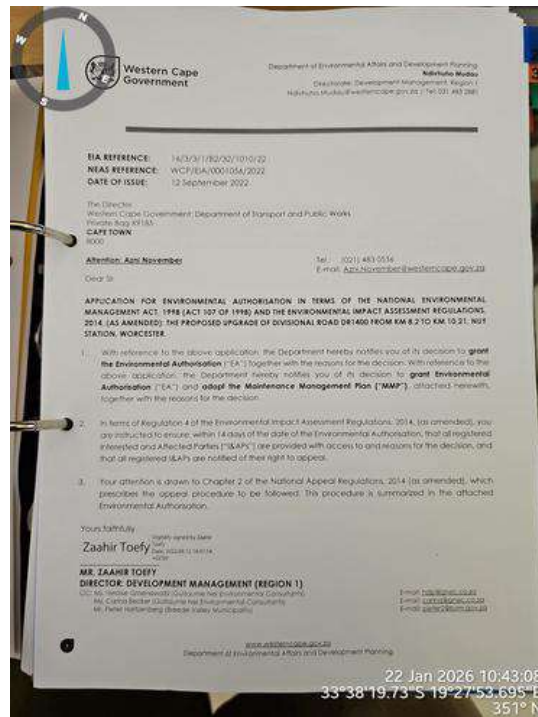


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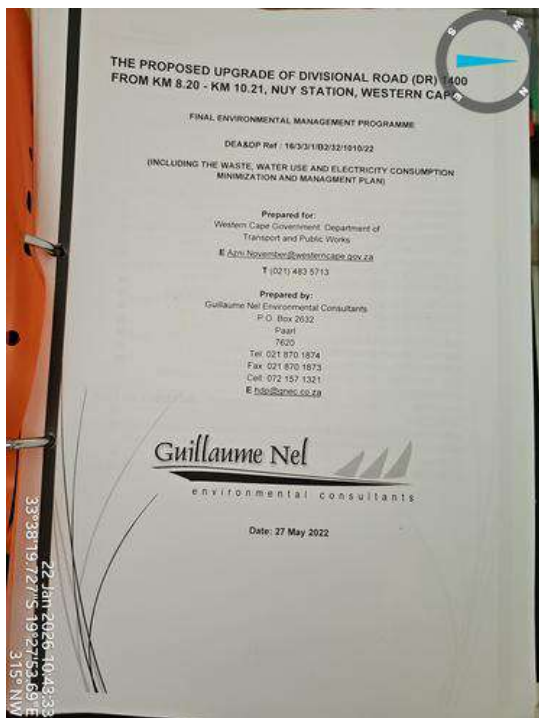


Photo 23



Photo 24

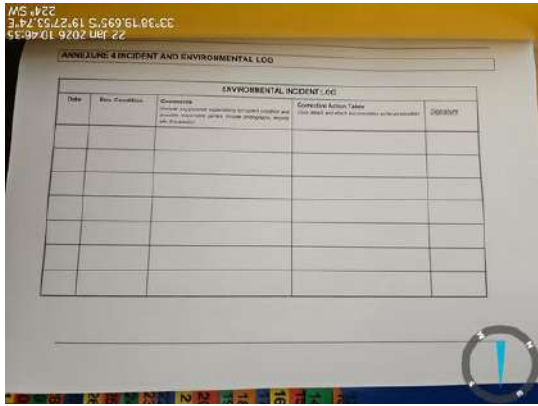


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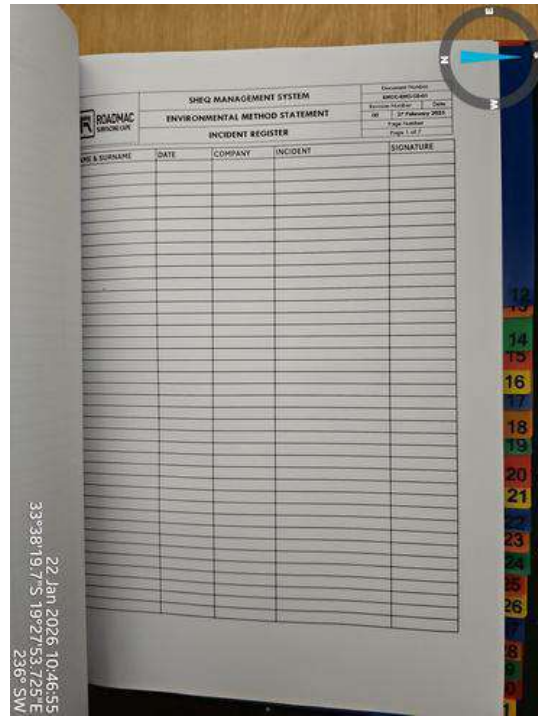


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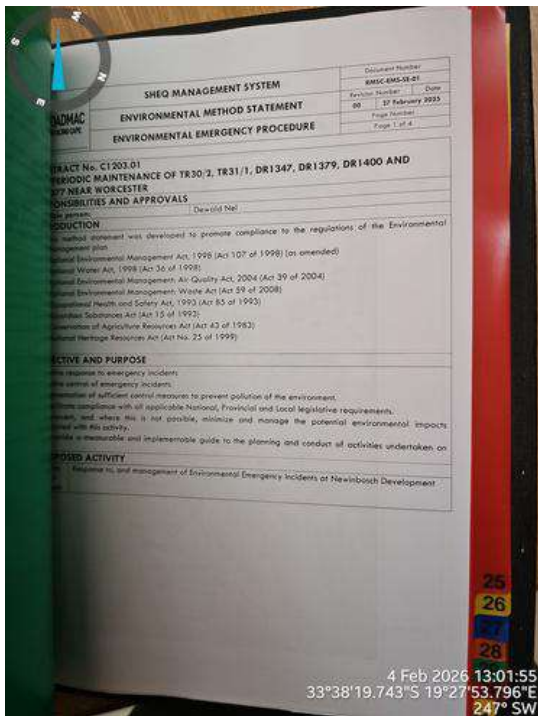


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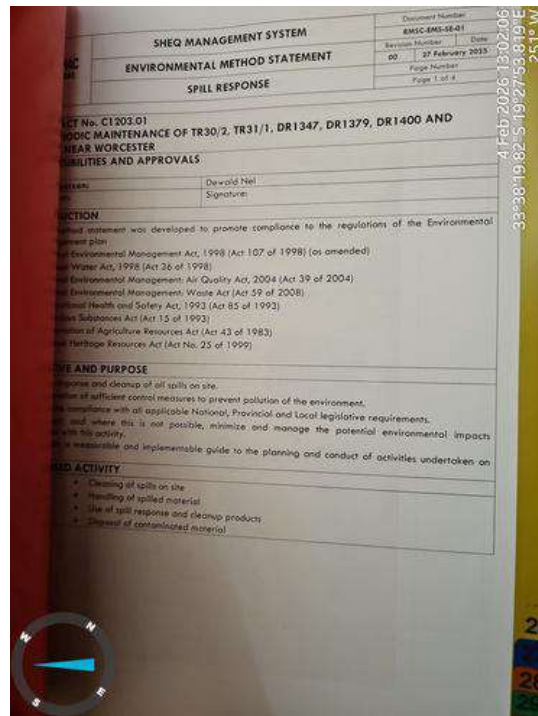


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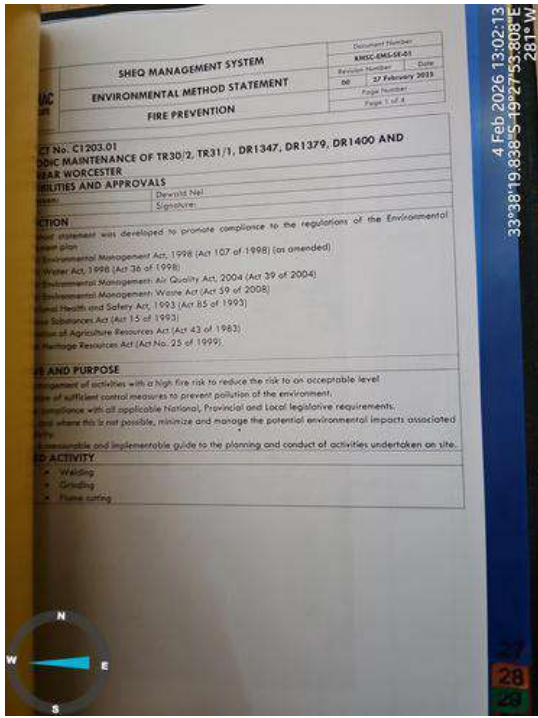


Photo 29

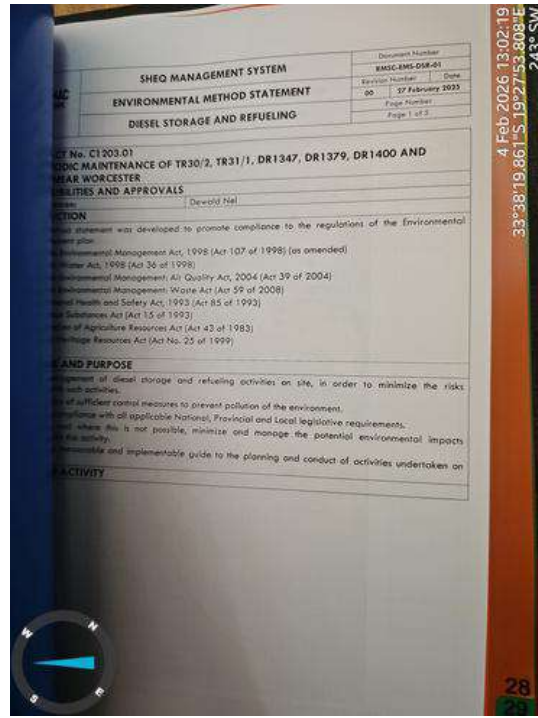


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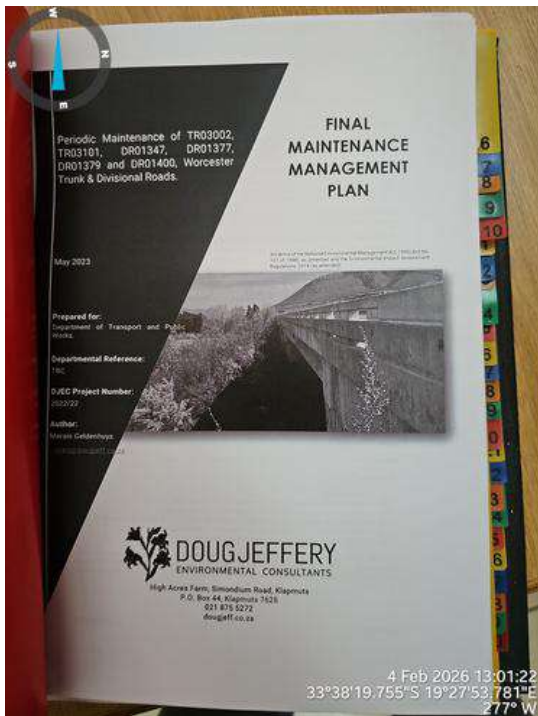


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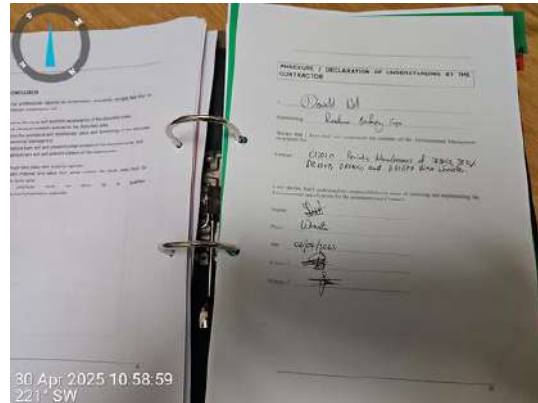


Photo 32



Photo 33

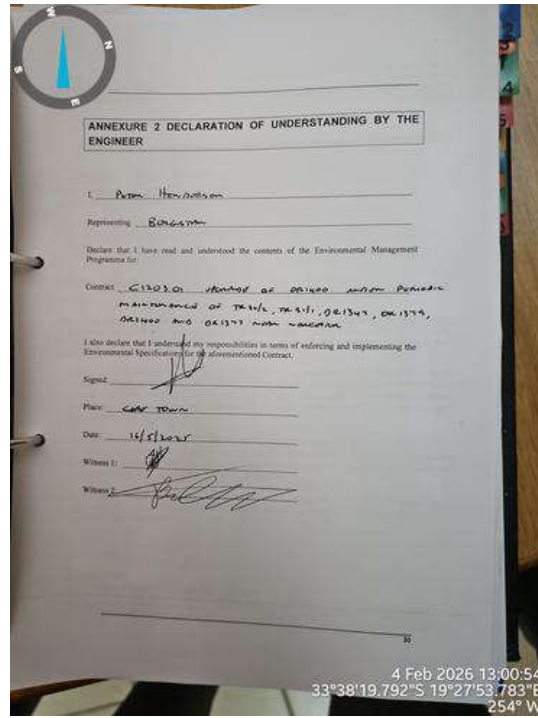


Photo 34



Photo 35



Photo 36



Photo 37



Photo 38



Photo 39



Photo 40



Photo 41



Photo 42



Photo 43



Photo 44



Photo 45



Photo 46



Photo 47



Photo 48



Photo 49



Photo 50



Photo 51



Photo 52



Photo 53



Photo 54



Photo 55



Photo 56



Photo 57

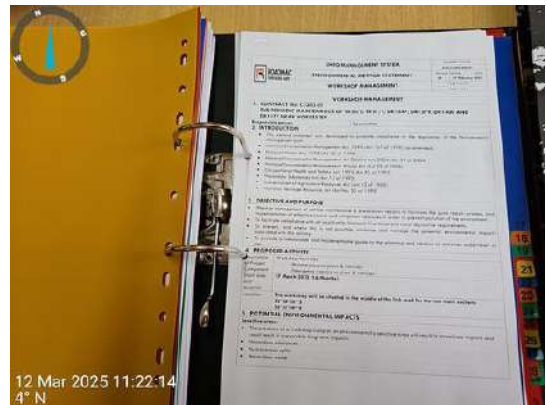


Photo 58



Photo 59



Photo 60



Photo 61



Photo 62



Photo 63



Photo 64



Photo 65



Photo 66



Photo 67



Photo 68

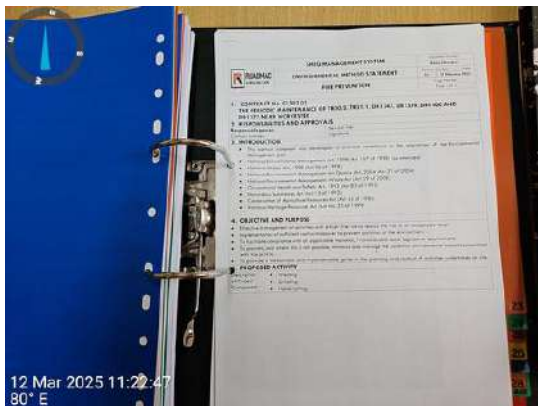


Photo 69



Photo 70



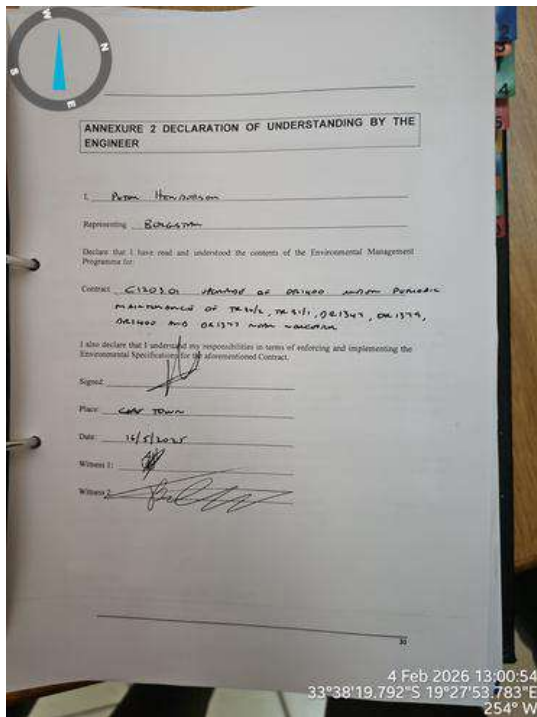


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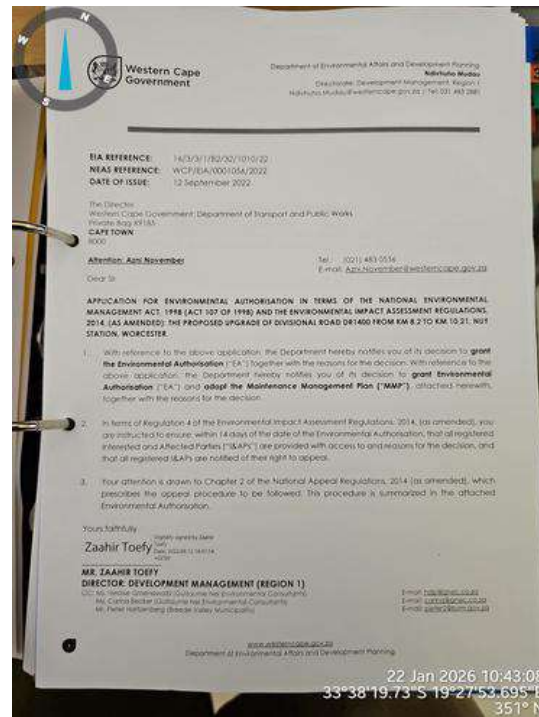


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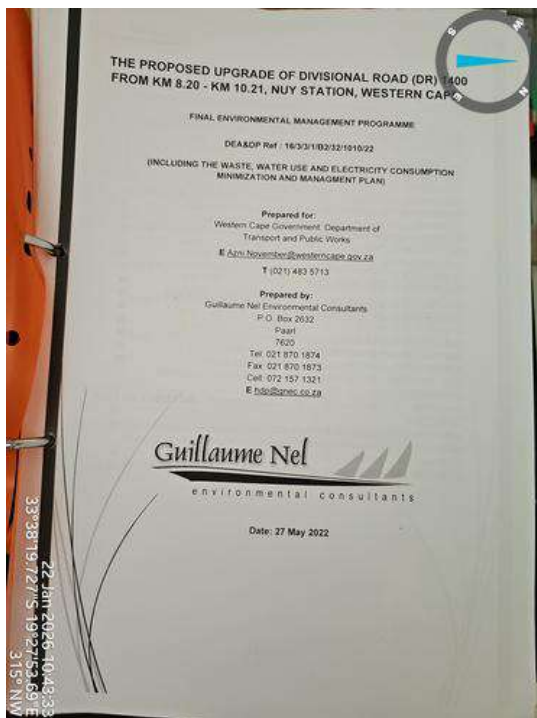


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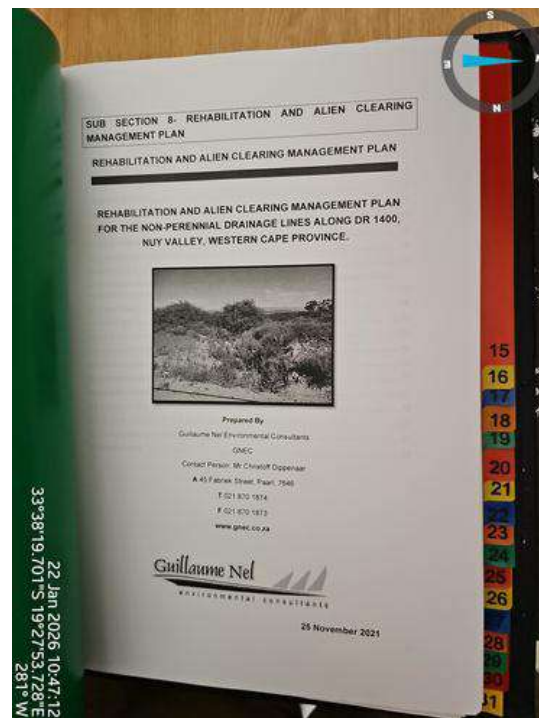


Photo 80



Photo 81

### File summary

[C1203.01 Site Establishment Plan - Method Statement.pdf](#)

[ENV MS 011 - Cement and Concrete Batching.pdf](#)

[A0458 - DR 1400 S&R report Annexure A.pdf](#)

[A0458- DR 1400 S&R Report June 20205.pdf](#)

[Tjeka Basic Fire fighting Attendance Register.pdf](#)

[DR1400 KM8.2 - KM10.21 - Notification of Commencement - 02 May 2024.pdf](#)

[20761 EA Notification Letter 20220913.pdf](#)

[20761 Final EMPr DR1400 20220527.pdf](#)

[20761 Final RMMP DR1400 20220527.pdf](#)

## Environmental Monitoring Report - Upgrade of Divisional Road (DR) 1400

Upgrade of Divisional Road (DR) 1400 from KM8.20 - KM10.21, Nuy Station, Western Cape

**Complete**

Flagged items	3	Actions	4
<b>Project / Site Name</b>	Upgrade of Divisional Road (DR) 1400 from KM8.20 - KM10.21, Nuy Station, Western Cape		
<b>EA Reference Number</b>	16/3/3/1/B2/32/1010/22		
<b>Location</b>	Nuy Station, Worcester		
<b>Project Number</b>	2022/22		
<b>Developer</b>	Western Cape Government: Department of Transport and Public Works		
<b>Main Contractor</b>	Road-Mac Surfacing Cape		
<b>Employers Representative</b>	Carmen Lawrence (Bergstan)		
<b>Construction Commencement Date</b>	02 June 2025		
<b>Site Inspection Date</b>	19 Mar 2026		
<b>Report Number</b>	23		
<b>Environmental Control Officer (ECO)</b>	Duncan Dourans		

## Flagged items & Actions

3 flagged, 4 actions

### Flagged items

3 flagged, 3 actions

EMPr Checklist / 1. PROGRESS / 3. CONSTRUCTION PHASE

### 3.10. Waste Management

Non-Compliant

The waste storage area was observed to be in disrepair during the inspection. The contractor must ensure that the waste storage area is reinstated for appropriate waste containment.

An excessive amount of litter was noted at the stockpile/laydown area and along the stretch of DR1400. The Contractor must ensure that all the litter is picked up and disposed of within the waste storage area. Furthermore, regular litter sweeps should be conducted at the working areas on site.



Photo 58



Photo 59



Photo 60



Photo 61



Photo 62



Photo 63



Photo 64

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - The waste storage area at the stockpile/laydown area must be reinstated. All the litter in the area and along the stretch of DR1400 must be picked up and disposed of within the waste storage area.

EMPr Checklist / 1. PROGRESS / 3. CONSTRUCTION PHASE

### 3.19. Flora

Partially Compliant

Unnecessary disturbance to vegetation at approximately KM9.80 was observed during the ECO's site inspection. This disturbance was caused by a plant operator who drove adjacent to the road reserve to gain temporary access for the installation of fencing. The Contractor should ensure that disturbance to vegetation is minimised during the installation of fencing. Additionally, the Contractor shall ensure that such temporary access routes are clearly demarcated and designated as 'no-go' areas.

Furthermore, the disturbed area must be rehabilitated in accordance with the Rehabilitation Plan. The ECO also recommends that a refresher toolbox talk be conducted to reinforce awareness among all staff that disturbance to vegetation must be minimised.



Photo 81



Photo 82



Photo 83

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - Ensure that disturbance to vegetation is minimised during the installation of fencing. Any disturbed areas must be rehabilitated accordingly. A toolbox talk should be conducted to address and prevent unnecessary disturbance to vegetation.

**3.21. No-go / sensitive areas**

Partially Compliant

A cemetery has been located in close proximity to the road reserve and construction area. The construction netting for 'no-go' demarcation at the cemetery was found to be in disrepair during the ECO's site inspection. The Contractor should ensure that the demarcation is adequately reinstated.

The EMPr requires that the riparian drainage line and 32 m NEMA ZoR as well as the episodic drainage lines are clearly demarcated and marked as 'no-go' areas. These areas have been marked with droppers painted red along the road reserve. There is no obvious drainage channel or riparian area when on site. Only disturbance within the road reserve has taken place.



Photo 84



Photo 85

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - Ensure the construction netting for 'no-go' demarcation at the cemetery is adequately reinstated.

Other actions

1 action

**2.9. Freshwater Impact Assessment (FEN, 2021).**

Compliant

The Contractor laydown areas and stockpiles have been established outside any drainage lines or sensitive areas. All works must remain within the existing road servitude; All footprint areas have remained thus far as small as possible and vegetation clearing has been limited to what is absolutely essential; Retain as much indigenous vegetation as possible;

Vehicles to be serviced at the contractor laydown area and all re-fueling is to take place outside of riparian drainage line and 32m NEMA ZoR as well as outside of the delineated episodic drainage lines;

Utilize existing roads only to gain access to the construction site; and The EMPr requires that the riparian drainage line and 32 m NEMA ZoR as well as the episodic drainage lines are clearly demarcated and marked as a 'no-go' area. These areas have been marked with droppers painted red along the road reserve.



Photo 52

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - Try to further demarcate the riparian drainage line and 32m NEMA ZoR with construction netting/droppers. Only clear what is absolutely essential. Work must be undertaken carefully in this area.

## EMPr Checklist

3 flagged, 4 actions

### 1. PROGRESS

3 flagged, 4 actions

#### Progress/Update

Information Item /  
Non-Auditable

Construction activities have commenced along the DR1400 upgrade section, namely KM8.2 - KM10.21.

The road reserve (working area) has been demarcated with droppers and existing fencing along the entire 2km stretch.

The flora search and rescue has been undertaken.



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 7



Photo 8



Photo 9



Photo 10



Photo 11



Photo 12

### 2. PRE-CONSTRUCTION PHASE

1 action

#### 2.1. Environmental Awareness (Induction) Training

Compliant

All staff currently working on site have undergone environmental induction for the 2026 year. A signed environmental induction register was observed in the Contractor's file on site.

All new staff and sub-contractors who join the project throughout the construction phase must undergo an environmental induction, prior to commencing with work on site.



Photo 13



Photo 14

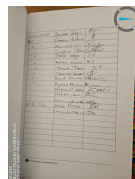


Photo 15



Photo 16



Photo 17



Photo 18



Photo 19

#### 2.2. Site Documentation

Compliant

The ECO inspected the Contractor's file on site. All relevant documentation required in the file in terms of the EMPr, was noted in the file.

The following documents should be maintained in the Environmental File:

- Access negotiations and physical access plan
- Site daily diary /instruction book
- Records of all remediation / rehabilitation activities
- Copies of EO reports (management and monitoring)
- Environmental Management Programme (EMPr)
- Environmental Authorisation
- Environmental Complaints register.
- Method statements
- Safety disposal slips (Waste disposal)



Photo 20

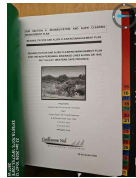


Photo 21



Photo 22



Photo 23



Photo 24

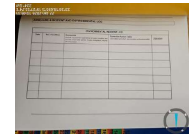


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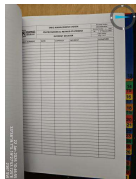


Photo 26



Photo 27

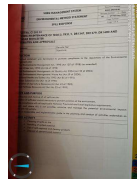


Photo 28

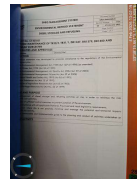


Photo 29



Photo 30

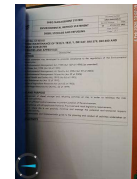


Photo 31



Photo 32



Photo 33



Photo 34

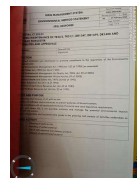


Photo 35



Photo 36

## 2.3. Pro Forma Documentation

Compliant

### 3.8.3 Pro Forma Documentation

#### 3.8.3.1 Prior to the commencement of construction activities

The pro forma documentation (Attached at the back of the EMPr) is to be filled out and is binding to the EMPr and project contract and includes, but not limited to, the following:

- Declaration of understanding by the Developer
- Declaration of understanding by the Contractor
- Declaration of understanding by the Engineer

The ECO noted signed declaration of understandings for the Contractor, Engineer and the Developer in the Contractor's file on site.



Photo 37



Photo 38



Photo 39

## 2.4. Visual Impact

Not Applicable

No lights have been installed or were being used on site.

## 2.5. Traffic Impact

Compliant

All Breede Municipality road rules and signs were being followed by staff and operators on site. Access for

Municipal Waste Trucks was still available within the construction area and site camp area.

## 2.6. Project Contract and Programme

Compliant

The ECO is unable to confirm if the EMPr has been included in the contract documentation for the Contractor. The ECO confirms the MMP was included in the tender/contract document. However, the ECO noted signed declaration of understandings for the Contractor, Engineer and the Developer in the Contractor's file on site, confirming that the project team are aware of the EMPr and that it will be implemented during the construction phase.

A copy of the EMPr and a signed register for training on the EMPr were being maintained in the Environmental File on site.

## 2.7. Site Demarcation and Development

Compliant

The surveys for the overall project area and construction footprint as approved in the Environmental Authorisation (EA) had been undertaken.

Working areas for the entire section of road have been demarcated along the road reserve with droppers painted red and existing fencing. The ECO has inspected the demarcations.



Photo 40



Photo 41



Photo 42



Photo 43



Photo 44



Photo 45



Photo 46



Photo 47



Photo 48



Photo 49

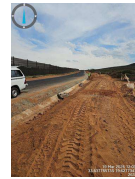


Photo 50

## 2.8. Emergencies, Non-Compliance and Communication

Compliant

The following method statements have been submitted to the ECO:

- Emergency spills procedures for the contamination of soils from spills and fire
- Handling & storage of oils and chemicals
- Diesel tanks and refuelling procedures
- Workshop maintenance and cleaning of plant
- Fire
- Waste management
- Dust Control
- Cement and concrete batching, which includes the storage, washing & disposal of cement, packaging, tools and plant
- Crew camps and construction lay down areas



Photo 51

[C1203.01 Site Establishment Plan - Method Statement.pdf](#)

[ENV MS 011 - Cement and Concrete Batching.pdf](#)

## 2.9. Freshwater Impact Assessment (FEN, 2021).

Compliant

The Contractor laydown areas and stockpiles have been established outside any drainage lines or sensitive areas. All works must remain within the existing road servitude; All footprint areas have remained thus far as small as possible and vegetation clearing has been limited to what is absolutely essential; Retain as much indigenous vegetation as possible;

Vehicles to be serviced at the contractor laydown area and all re-fueling is to take place outside of riparian drainage line and 32m NEMA ZoR as well as outside of the delineated episodic drainage lines;

Utilize existing roads only to gain access to the construction site; and The EMPr requires that the riparian drainage line and 32 m NEMA ZoR as well as the episodic drainage lines are clearly demarcated and marked as a 'no-go' area. These areas have been marked with droppers painted red along the road reserve.



Photo 52

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - Try to further demarcate the riparian drainage line and 32m NEMA ZoR with construction netting/droppers. Only clear what is absolutely essential. Work must be undertaken carefully in this area.

### 2.10. Botanical Impact Assessment (Capensis, 2021).

Compliant

A Search and Rescue' has been undertaken for the Mesembryanthemum varians plants and any other protected species found within the construction area. The species were transplanted immediately into fynbos areas on farms along the 2km stretch of road where no development is deemed to take place in future. These were farms on the North side of DR1400.

[A0458 - DR 1400 S&R report Annexure A.pdf](#)

[A0458- DR 1400 S&R Report June 20205.pdf](#)

## 3. CONSTRUCTION PHASE

3 flagged, 3 actions

### 3.1. Stockpiles

Compliant

Spoil material from the upgrading of DR1400 activities was taking place at an old borrow pit on the Northern side of DR1400 around KM9.1 and at an area around KM8.3 that was previously cleared by a farmer. The stockpile area near KM9.1, has been previously disturbed/mined and the farmer is looking to backfill and rehabilitate this area.



Photo 53

### 3.2. Topsoil Management

Compliant

All topsoil cleared from the DR1400 working area was being spoiled at an old borrow pit on the Northern side of DR1400 around KM9.1. The stockpile area has been previously disturbed/mined and the farmer is looking to backfill and rehabilitate this area. The EMPr requires that previously disturbed areas along the DR1400 be used to spoil/stockpile material.

### 3.3. Oil and Chemicals

Compliant

Copies of the "Handling of Hazardous Chemicals" method statement as well as the "Emergency spills and fire" method statements have been sent to the ECO. No oil and chemicals were being stored on site thus far.

An oil spill kit was noted at the site camp/office area.

All spilled hazardous substances must be contained in impermeable containers for removal to a General & Hazardous Waste Landfill site, (this includes contaminated soils, and drenched spill kit material).



Photo 54

### 3.4. Concrete

Information Item /  
Non-Auditable

No cement/concrete mixing was noted during the site inspection.

### 3.5. DANGEROUS AND TOXIC MATERIALS Provision of storage facilities

Information Item /  
Non-Auditable

No dangerous and toxic materials were being used or stored on site.

### 3.6. Bulk Storage of Fuels and Oils

Information Item /  
Non-Auditable

No bulk storage of fuel was taking place on site.

### 3.7. Use of Dangerous and Toxic Materials

Compliant

An oil spill kit was noted at the site camp/office.

The ECO has received the method statements for emergency procedures which deals with spillages and fires.

The Contractor appointed a company to conduct fire training with all staff on site. The ECO has received a signed register confirming the attendance. Fire fighting equipment was available on site.



Photo 55



Photo 56

[Tjeka\\_Basic Fire fighting Attendance Register.pdf](#)

### 3.8. Eating Areas and Camp Followers

Compliant

The ECO noted a suitable eating area established for the staff working at the DR1400 contract. No waste bin was noted at the eating area during the previous site inspection. The ECO was unable to verify if the waste storage areas was present at the working area due the area being inaccessible at the time of this site inspection.



Photo 57

### 3.9. Toilets and Ablution Facilities

Compliant

Toilets are available at the site camp area and the working area along DR1400 for staff to make use of. The

toilet seemed to be in good condition.

### 3.10. Waste Management

Non-Compliant

The waste storage area was observed to be in disrepair during the inspection. The contractor must ensure that the waste storage area is reinstated for appropriate waste containment.

An excessive amount of litter was noted at the stockpile/laydown area and along the stretch of DR1400. The Contractor must ensure that all the litter is picked up and disposed of within the waste storage area. Furthermore, regular litter sweeps should be conducted at the working areas on site.



Photo 58



Photo 59



Photo 60



Photo 61



Photo 62



Photo 63



Photo 64

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - The waste storage area at the stockpile/laydown area must be reinstated. All the litter in the area and along the stretch of DR1400 must be picked up and disposed of within the waste storage area.

### 3.11. Dust

Compliant

No major dust was observed during the ECO's site inspection.



Photo 65



Photo 66



Photo 67



Photo 68



Photo 69

### 3.12. Workshop Equipment, Maintenance and Storage

Compliant

A method statement for workshop and equipment was noted in the Contractor's file on site.

### 3.13. Noise

Compliant

No excessively loud noises or disturbances were heard or observed during the ECO's site inspection. No complaints regarding noise or working hours has been recorded or reported to the ECO.

### 3.14. Crew Camps

Compliant

The site camp for Road-Mac is situated at 18 Krone Street in Worcester. The Contractor is hiring an office space at a factory.

No staff will be accommodated on site.

The site camp was neat and tidy and no dust was noted in the site camp area.



Photo 70



Photo 71



Photo 72



Photo 73



Photo 74



Photo 75

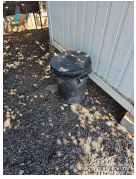


Photo 76



Photo 77

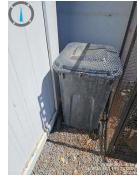


Photo 78



Photo 79

### 3.15. Visual Impact

Information Item /  
Non-Auditable

### 3.16. Fires

Compliant

The ECO has since received the "fire" method statement from the Civil Contractor.

Appropriate fire-fighting equipment was available at the site camp.



Photo 80

### 3.17. Erosion and Sedimentation

Compliant

No erosion or sedimentation issues were observed during the site inspection.

### 3.18. Fauna

Compliant

All construction workers have been informed during the induction that the intentional killing of any animal on site is not permitted and that poaching any animal on site will be immediate dismissal. Staff are given a basic training on how to deal with fauna on site during their inductions according to the Contractor.

### 3.19. Flora

Partially Compliant

Unnecessary disturbance to vegetation at approximately KM9.80 was observed during the ECO's site inspection. This disturbance was caused by a plant operator who drove adjacent to the road reserve to gain temporary access for the installation of fencing. The Contractor should ensure that disturbance to vegetation is minimised during the installation of fencing. Additionally, the Contractor shall ensure that such temporary access routes are clearly demarcated and designated as 'no-go' areas.

Furthermore, the disturbed area must be rehabilitated in accordance with the Rehabilitation Plan. The ECO also recommends that a refresher toolbox talk be conducted to reinforce awareness among all staff that disturbance to vegetation must be minimised.



Photo 81



Photo 82



Photo 83

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - Ensure that disturbance to vegetation is minimised during the installation of fencing. Any disturbed areas must be rehabilitated accordingly. A toolbox talk should be conducted to address and prevent unnecessary disturbance to vegetation.

### 3.20. Heritage

Compliant

No heritage artefacts or remains have been reported or discovered thus far.

A cemetery has been located in close proximity to the road reserve and construction area. The cemetery has sufficient construction netting for no-go demarcation. The cemetery must be regarded as a no-go area for all staff.

In terms of the National Heritage Act, 1999 (Act No. 25 of 1999), should any archaeological artefacts be exposed during construction activities, work on the area where the artefacts were found shall cease immediately and the ECO as well as the Local Council shall be notified within 24 hours. Finds of human remains must be treated as a crime scene.

### 3.21. No-go / sensitive areas

Partially Compliant

A cemetery has been located in close proximity to the road reserve and construction area. The construction netting for 'no-go' demarcation at the cemetery was found to be in disrepair during the ECO's site inspection. The Contractor should ensure that the demarcation is adequately reinstated.

The EMPr requires that the riparian drainage line and 32 m NEMA ZoR as well as the episodic drainage lines are clearly demarcated and marked as 'no-go' areas. These areas have been marked with droppers painted red along the road reserve. There is no obvious drainage channel or riparian area when on site. Only disturbance within the road reserve has taken place.



Photo 84



Photo 85

**To do** | Assignee: Duncan Dourans | Priority: High | Created by: Duncan Dourans

Road-Mac - Ensure the construction netting for 'no-go' demarcation at the cemetery is adequately reinstated.

### 3.22. Access Route/Haul Roads

Compliant

Existing roads were used to access the construction area.

### 3.23. Crime, Safety and Security

Information Item /  
Non-Auditable

Copies of the "Handling of Hazardous Chemicals" method statement as well as the Emergency spills and fire" method statements have been sent to the ECO.

The contractor shall ensure that lists of all emergency telephone numbers / contact persons are kept up to date and that all numbers and names are posted at relevant locations throughout the construction site.

### 3.24. Visual impact

Information Item /  
Non-Auditable

Shade cloth must be utilised to conceal and minimise the visual impact of contractor camps, lay down and storage areas.

Rubble and litter must be removed every two weeks or more often as the need arises and be disposed of at a registered landfill site as designated by the Breede Valley Municipalities Solid Waste removal department.

Information Item /

**3.25. Hydrology**

Non-Auditable

**3.26. Soil**

Information Item /  
Non-Auditable

**1. The holder is authorised to undertake the listed activities specified in Section B above in accordance with and restricted to the preferred Alternative described in the BAR received on 27 May 2022 on the site as described in Section C above.**

Compliant

Construction activities have since commenced along the DR1400 road upgrade section. All activities underway were being undertaken in accordance with and restricted to the preferred Alternative described in the BAR received on 27 May 2022.

**2. The holder must commence with, and conclude, the listed activities within the stipulated validity period which this Environmental Authorisation is granted for, or this Environmental Authorisation shall lapse and a new application for Environmental Authorisation must be submitted to the competent authority.**

**This Environmental Authorisation is granted for-**

**(a) A period of five (5) years, from the date of issue, during which period the holder must commence with the authorised listed activities.**

**(b) A period of ten (10) years, from the date the holder commenced with the authorised listed activities, during which period the authorised listed activities, must be concluded.**

Compliant

a) According to the Engineer, activities commenced on site on the 1st August 2024 originally but the contract had been cancelled and will be recommencing shortly.

b) Construction activities for the new contract commenced on the 2nd June 2025 and must be completed by the 2nd of June 2035.

**3. The holder shall be responsible for ensuring compliance with the conditions by any person acting on his/her behalf, including an agent, sub-contractor, employee or any person rendering a service to the holder.**

Information Item /  
Non-Auditable

The Holder should take note of this condition. All responsibility in terms of compliance with the conditions of the EA, by any person on site, remains the responsibility of the Holder.

**4. Any changes to, or deviations from the scope of the alternative described in section B above must be accepted or approved, in writing, by the Competent Authority before such changes or deviations may be implemented. In assessing whether to grant such acceptance/approval or not, the Competent Authority may request information in order to evaluate the significance and impacts of such changes or deviations, and it may be necessary for the holder to apply for further authorisation in terms of the applicable legislation.**

Compliant

No amendments to the scope of the alternative described in Section B of the EA has been reported to the ECO.

**5. Seven calendar days' notice, in writing, must be given to the Competent Authority before commencement of construction activities.**

**5.1. The notice must make clear reference to the site details and EIA Reference number given above.**

**5.2. The notice must also include proof of compliance with the following conditions described herein:**

**Conditions: 6, 7, 11 and 18.**

The ECO notified the Competent Authority on the 2nd of May 2024 that construction activities would commence within 7 calendar days on site. The notification included proof of compliance with Conditions 6, 7, 11 and 18.

Update: Construction activities only commenced on the 1st of August 2024 due to delays. The contract was then cancelled at the end of 2024 and a new contract and Contractor had commenced with work on site on 2nd June 2025.

[DR1400 KM8.2 - KM10.21 - Notification of Commencement - 02 May 2024.pdf](#)

Compliant

**6. The holder must in writing, within 14 (fourteen) calendar days of the date of this decision-**

**6.1. notify all registered Interested and Affected Parties ("I&APs") of -**

- 6.1.1. the outcome of the application;**
- 6.1.2. the reasons for the decision as included in Annexure 3;**
- 6.1.3. the date of the decision; and**
- 6.1.4. the date when the decision was issued.**

**6.2. draw the attention of all registered I&APs to the fact that an appeal may be lodged against the decision in terms of the National Appeals Regulations, 2014 detailed in Section F below;**

**6.3. draw the attention of all registered I&APs to the manner in which they may access the decision;**

**6.4. provide the registered I&APs with:**

- 6.4.1. the name of the holder (entity) of this Environmental Authorisation,**
- 6.4.2. name of the responsible person for this Environmental Authorisation,**
- 6.4.3. postal address of the holder,**
- 6.4.4. telephonic and fax details of the holder,**
- 6.4.5. e-mail address, if any, of the holder,**
- 6.4.6. the contact details (postal and/or physical address, contact number, facsimile and e-mail address) of the decision-maker and all registered I&APs in the event that an appeal is lodged in terms of the 2014 National Appeals Regulations.**

Compliant



Photo 86

[20761 EA Notification Letter 20220913.pdf](#)

**7. The listed activities, including site preparation, may not commence within 20 (twenty) calendar days from the date of issue of this Environmental Authorisation. In the event that an appeal is lodged with the Appeal Authority, the effect of this Environmental Authorisation is suspended until the appeal is decided.**

Compliant

The EA was issued on the 12th September 2022 and activities commenced on the 01 August 2024.

**8. The draft or Environmental Management Programme (“EMPr”) submitted as part of the application for Environmental Authorisation is hereby approved and must be implemented.**

Compliant

The ECO has provided the Civil Contractor with a copy of the EMPr to be implemented on site.

The EMPr was being implemented by the Contractor on site, as can be seen from their compliance achieved in this report.

[20761\\_Final\\_EMPr\\_DR1400\\_20220527.pdf](#)

**9. The Maintenance Management Plan (“MMP”) adopted as part of this Environmental Authorisation must be implemented.**

Information Item /  
Non-Auditable

The Holder must ensure the MMP is implemented during all maintenance activities within the watercourses.

[20761\\_Final\\_RMMP\\_DR1400\\_20220527.pdf](#)

**10. The EMPr and MMP must be included in all contract documentation for all phases of implementation.**

Information Item /  
Non-Auditable

The ECO is unable to confirm if the EMPr has been included in the contract documentation for the Contractor. The ECO confirms the MMP was included in the tender/contract document. However the ECO noted signed declaration of understandings for the Contractor, Engineer and the Developer in the Contractor's file on site, confirming that the project team are aware of the EMPr and that it will be implemented during the construction phase.



Photo 87



Photo 88



Photo 89

**11. The holder must appoint a suitably experienced environmental control officer (“ECO”), or site agent where appropriate, before commencement of the proposed development to ensure compliance with the provisions of the EMPr, and the conditions contained herein. The ECO must conduct site visits as prescribed in the EMPr and must submit ECO Reports on a monthly basis to the competent authority.**

Compliant

Doug Jeffery Environmental Consultants (Pty) Ltd have been appointed to provide ECO Monitoring Services for the duration of this project, prior to commencement. Duncan Dourans will be the ECO monitoring activities on site.

**12. A copy of the Environmental Authorisation, EMPr, audit reports and compliance monitoring reports must be kept at**

Compliant

**the site of the authorised activities, and must be made available to anyone on request, including a publicly accessible website.**

An environmental file was available on site for auditing and it contained copies of all the documents required in terms of Condition 12.

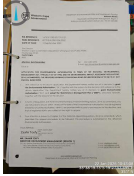


Photo 90

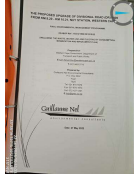


Photo 91



Photo 92

**13. Access to the site referred to in Section C above must be granted, and the environmental reports mentioned above must be produced, to any authorised official representing the Competent Authority who requests to see it for the purposes of assessing and/or monitoring compliance with the conditions contained herein.**

The DEA&DP have not visited the site yet.

The ECO did not experience any difficulty with accessing the site.

Compliant

**14. In terms of Regulation 34 of the NEMA EIA Regulations, 2014, the holder must conduct environmental audits to determine compliance with the conditions of the Environmental Authorisation, the EMPr and submit Environmental Audit Reports to the Competent Authority. The Environmental Audit Report must be prepared by an independent person, that is not the ECO referred to in Condition 11 above and must contain all the information required in Appendix 7 of the NEMA EIA Regulations, 2014.**

**The audit reports must be compiled and subsequently submitted to the Department in the following manner:**

**14.1. The holder must undertake an environmental audit and submit an Environmental Audit Report to the Competent Authority once every 6 months for the duration of construction activities.**

**14.2. A final Environmental Audit Report must be submitted within three months after the development is completed.**

**The holder must, within 7 days of the submission of each of the above-mentioned reports to the Competent Authority, notify all potential and registered I&APs of the submission and make the report available to anyone on request and on a publicly accessible website (if applicable).**

14.1) Regulation 34 audits are required every 6 months during the construction phase  
- The first External Regulation 34 Audit was conducted on 13 October 2025.

14.2) A final Environmental Audit Report must be submitted within three months after the development is completed.

Information Item /  
Non-Auditable

**15. Should any heritage remains be exposed during**

Compliant

excavations or any other actions on the site, these must immediately be reported to the Provincial Heritage Resources Authority of the Western Cape, Heritage Western Cape. Heritage remains uncovered or disturbed during earthworks must not be further disturbed until the necessary approval has been obtained from Heritage Western Cape.

Heritage remains include: meteorites, archaeological and/or palaeontological remains (including fossil shells and trace fossils); coins; indigenous and/or colonial ceramics; any articles of value or antiquity; marine shell heaps; stone artifacts and bone remains; structures and other built features with heritage significance; rock art and rock engravings; and/or graves or unmarked human burials including grave goods and/or associated burial material.

No heritage artefacts or remains have been found/observed on site or been reported to the ECO.

A cemetery has been located in close proximity to the road reserve and construction area. The cemetery has sufficient construction netting for no-go demarcation. The construction netting was found to be in disrepair during the site inspection. The no-go demarcation should be reinstated accordingly.

**16. A qualified archaeologist and/or palaeontologist must be contracted where necessary (at the expense of the holder) to remove any heritage remains. Heritage remains can only be disturbed by a suitably qualified heritage specialist working under a directive from the relevant heritage resources authority.**

Information Item /  
Non-Auditable

No heritage artefacts or remains have been found/observed on site or been reported to the ECO.

**17. An integrated waste management approach, which is based on waste minimisation and incorporates reduction, recycling, re-use and disposal, where appropriate, must be employed. Any solid waste must be disposed of at a landfill licensed in terms of the applicable legislation.**

Compliant

The waste storage area was observed to be in disrepair during the inspection. The contractor must ensure that the waste storage area is reinstated for appropriate waste containment.

An excessive amount of litter was noted at the stockpile/laydown area and along the stretch of DR1400. The Contractor must ensure that all the litter is picked up and disposed of within the waste storage area. Furthermore, regular litter sweeps should be conducted at the working areas on site.

Waste bins with lids and a waste skip were noted at the site camp area.

Cleared vegetation was being stockpiled at the spoil area near KM9.1. The vegetation will be spread over the topsoil material being cut and spoilt at the borrow pit to assist with natural rehabilitation of the area.

**18. The development areas must be clearly demarcated prior to the commencement of the proposed development. All areas outside the demarcated areas must be regarded as "no-go" areas.**

Compliant

Certain sections along KM8.2 - KM10.21 were already fenced off with existing fencing. However, there are sections along KM8.2 - KM10.21 without any fencing. These areas have been demarcated with droppers painted red.

## Media summary

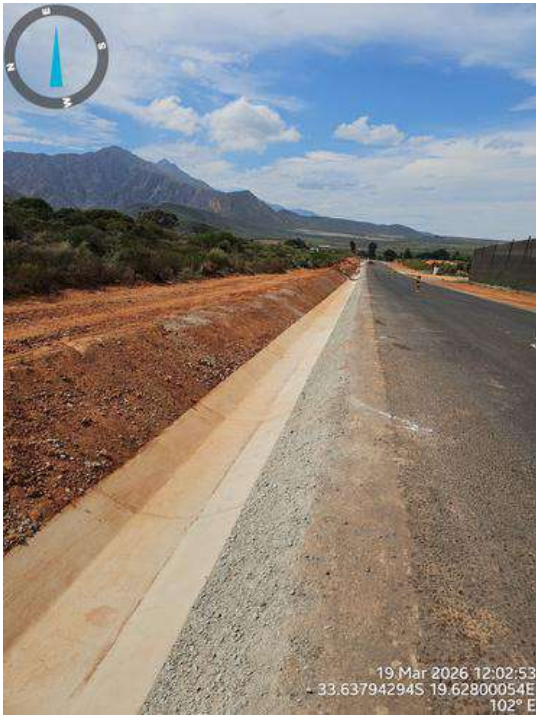


Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 7



Photo 8



Photo 9

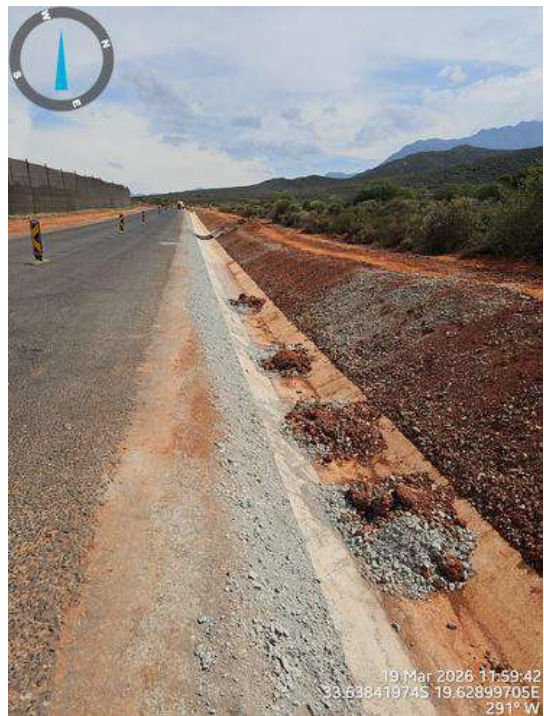


Photo 10



Photo 11

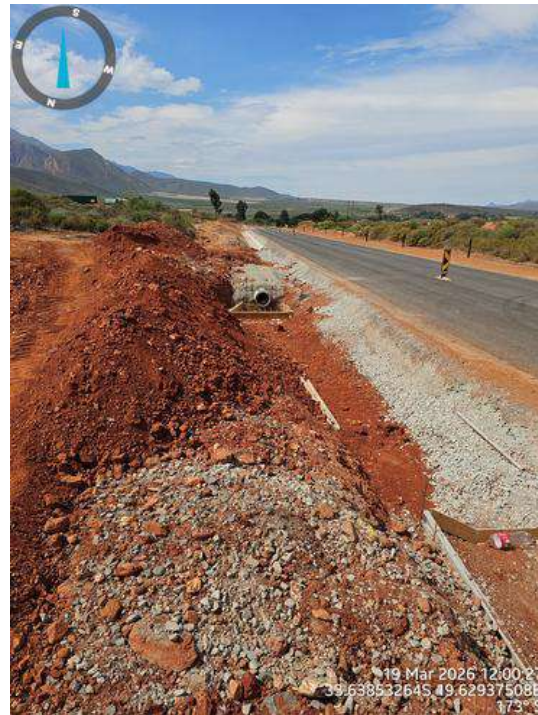


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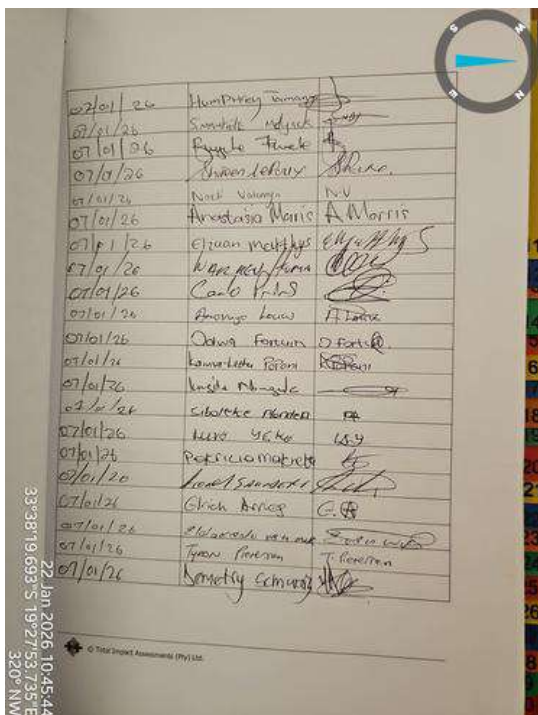


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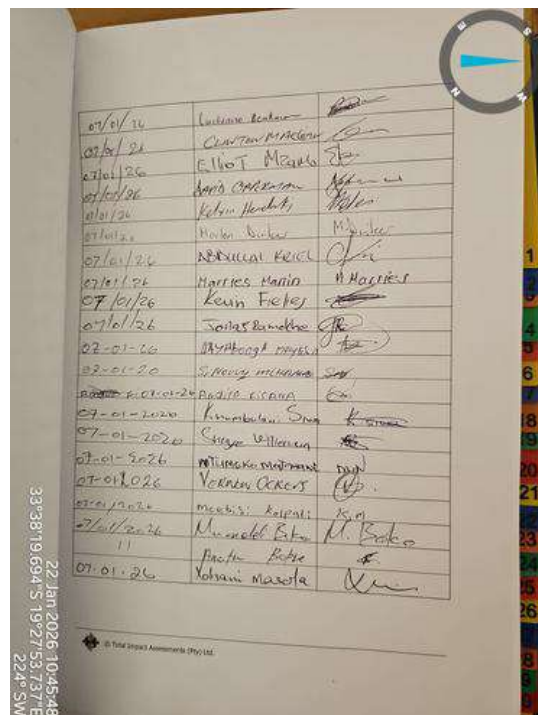


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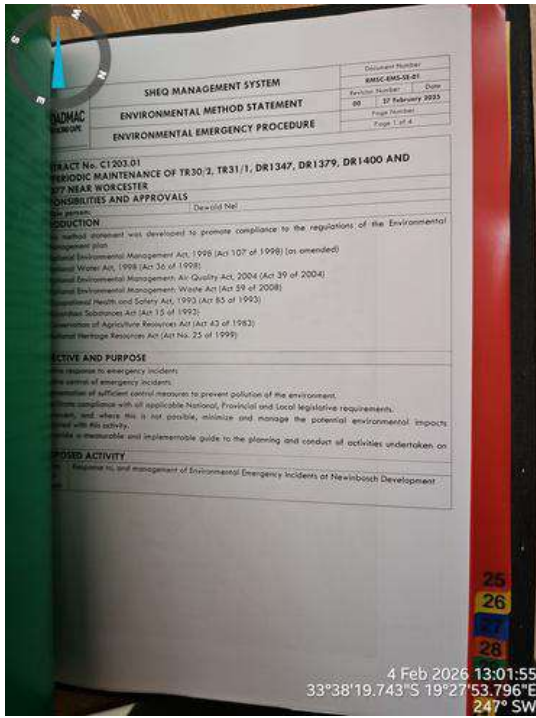


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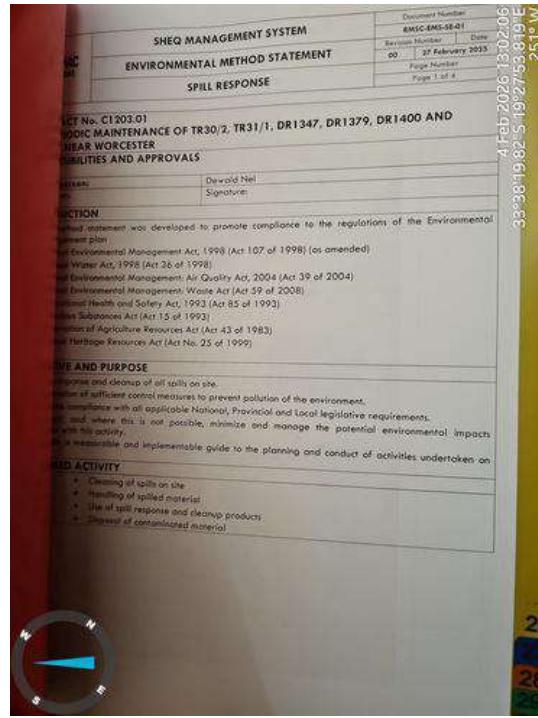


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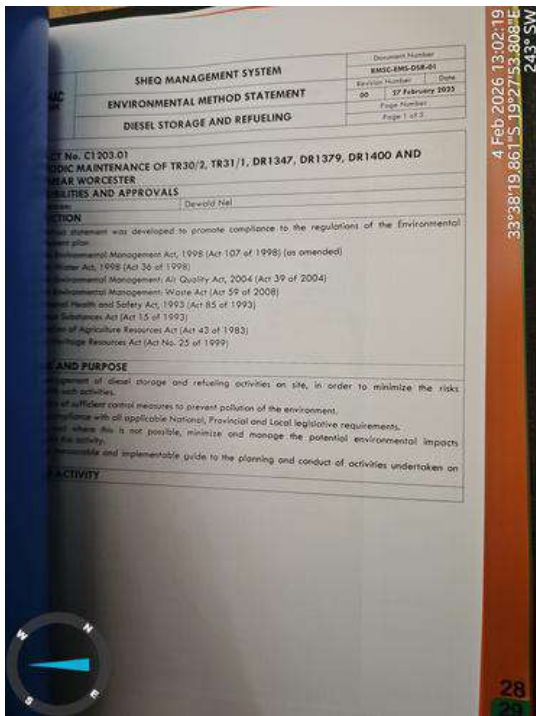


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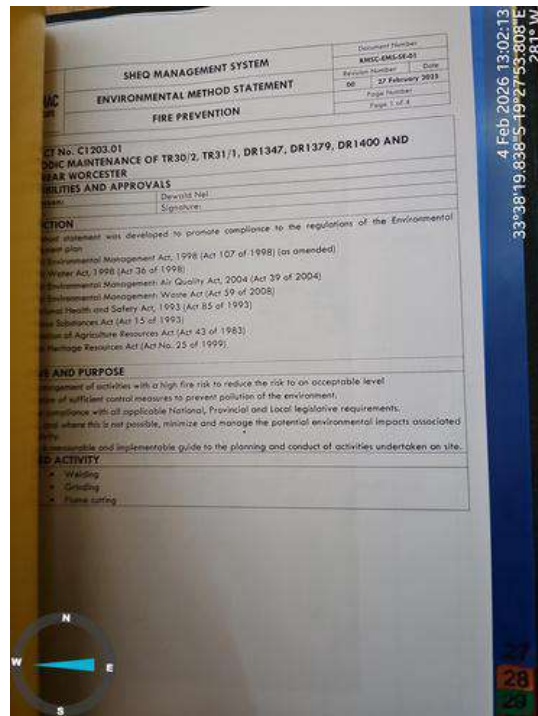
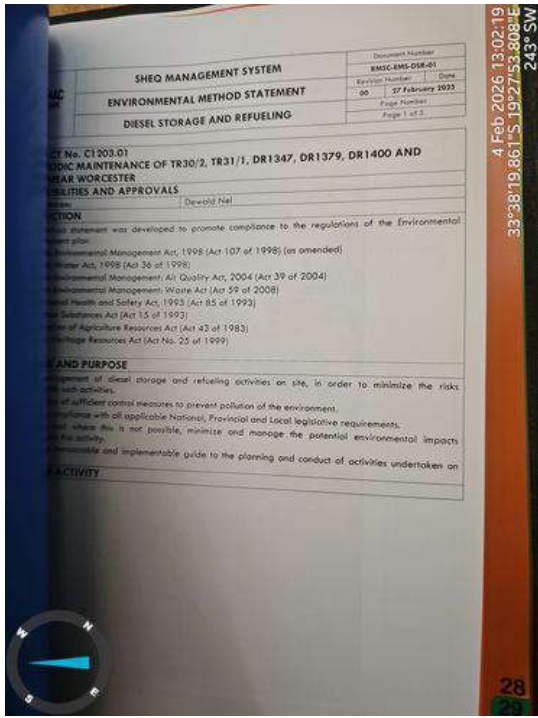


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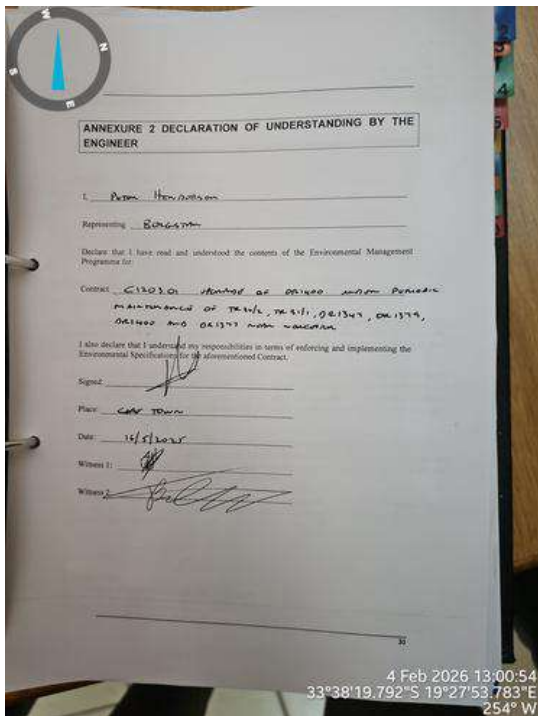
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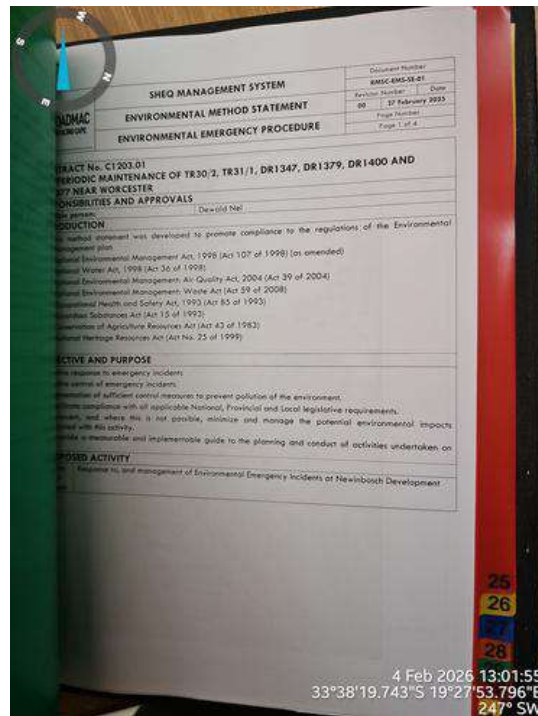
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Photo 32



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Photo 33



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Photo 34

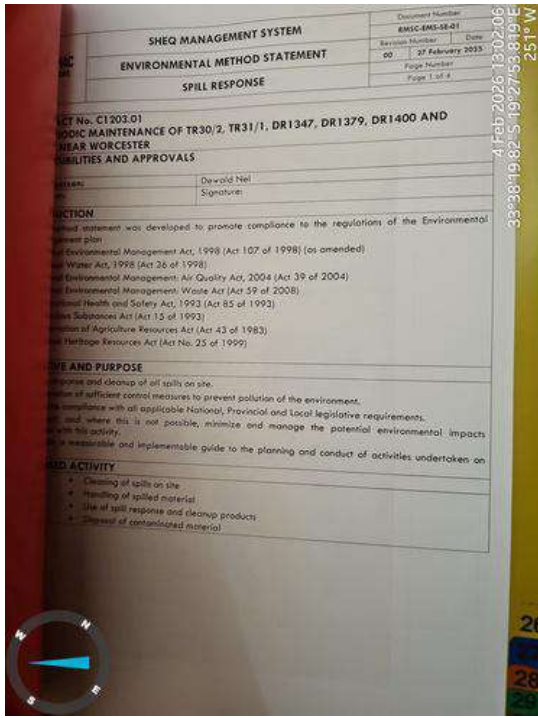


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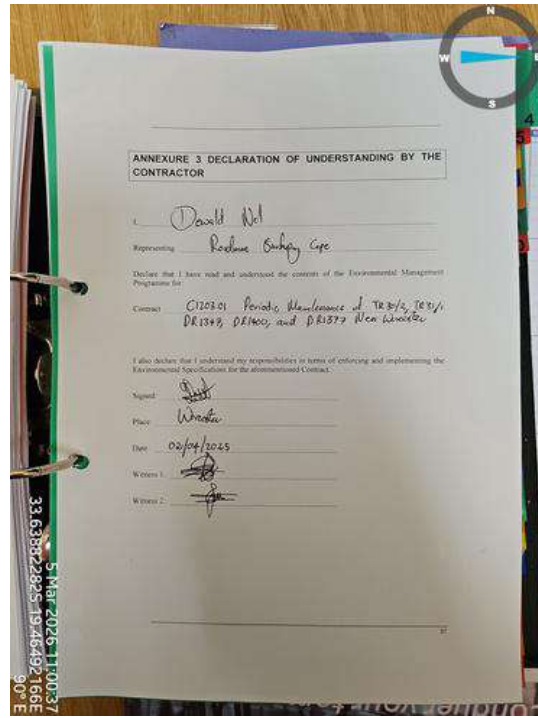


Photo 36



Photo 37



Photo 38

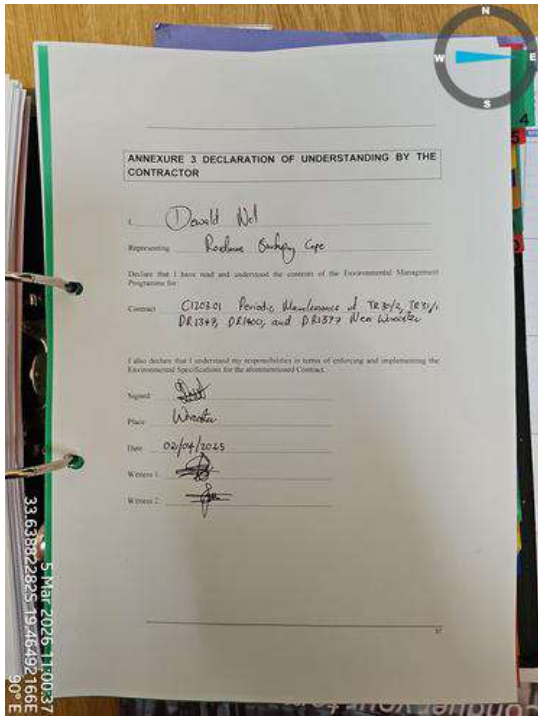


Photo 39



Photo 40



Photo 41



Photo 42



Photo 43



Photo 44



Photo 45

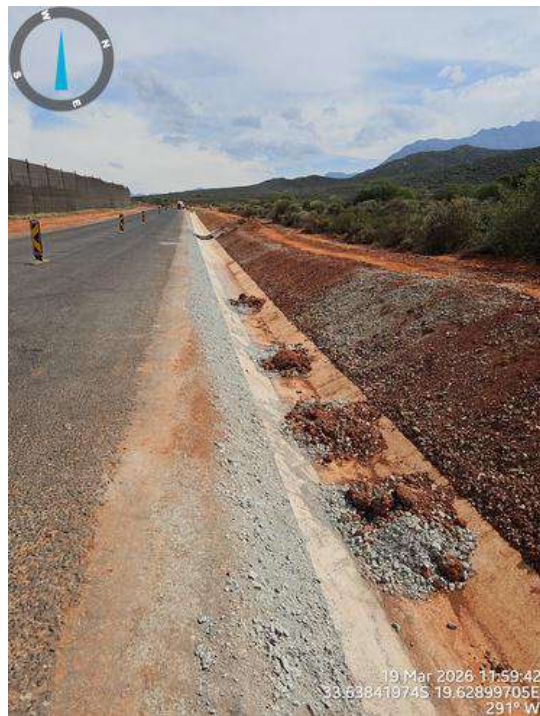


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Photo 47



Photo 48

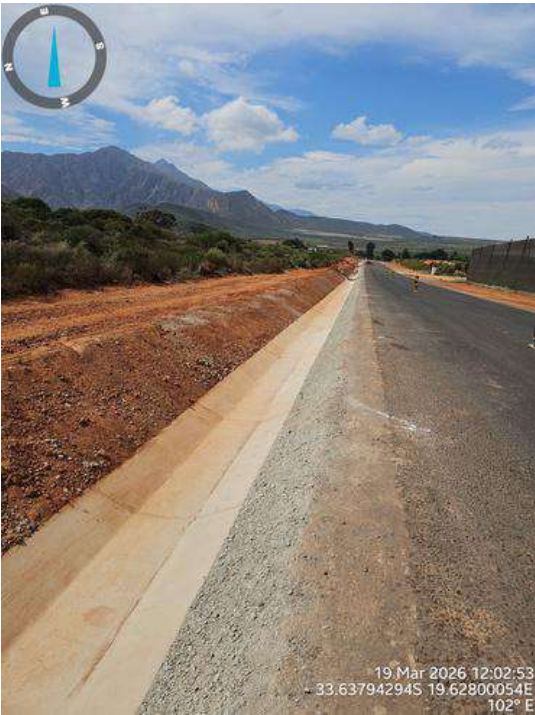


Photo 49



Photo 50



Photo 51



Photo 52



Photo 53



Photo 54



Photo 55



Photo 56



Photo 57



Photo 58



Photo 59



Photo 60



Photo 61



Photo 62



Photo 63



Photo 64



Photo 65



Photo 66



Photo 67

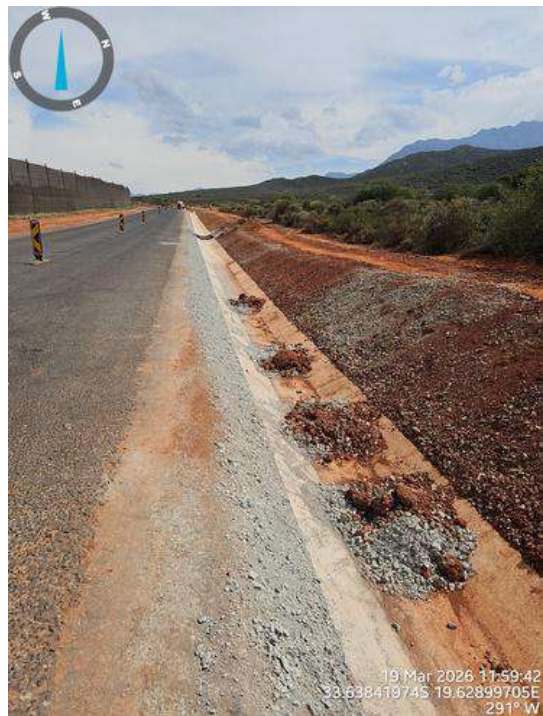


Photo 68



Photo 69



Photo 70



Photo 71



Photo 72



Photo 73



Photo 74



Photo 75



Photo 76



Photo 77



Photo 78



Photo 79



Photo 80



Photo 81



Photo 82



Photo 83



Photo 84



Photo 85

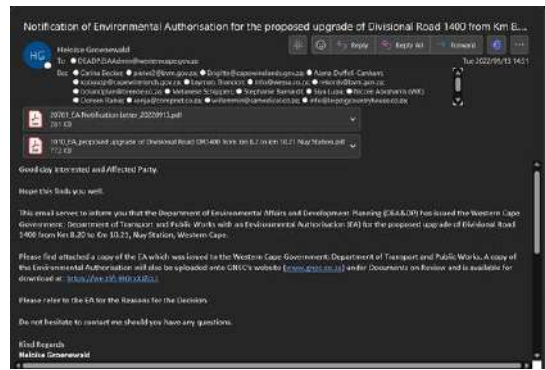


Photo 86



Photo 87

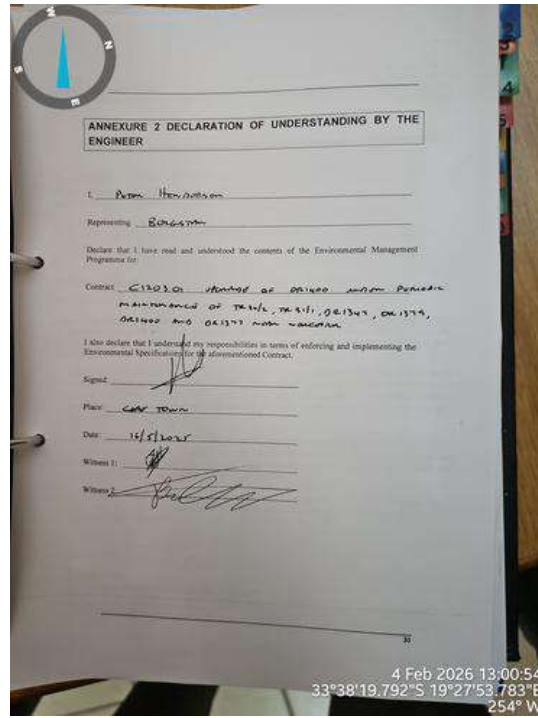


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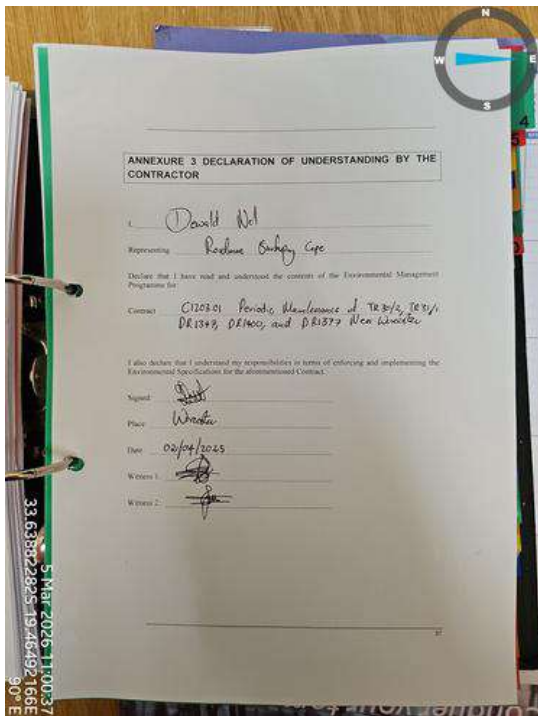


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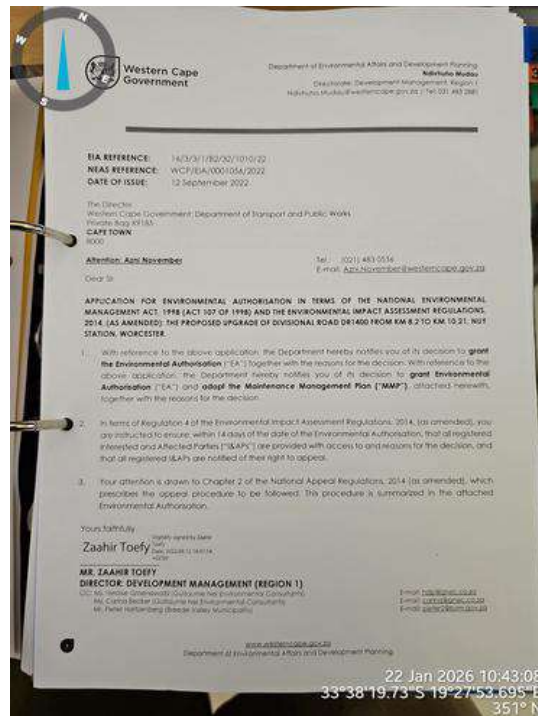


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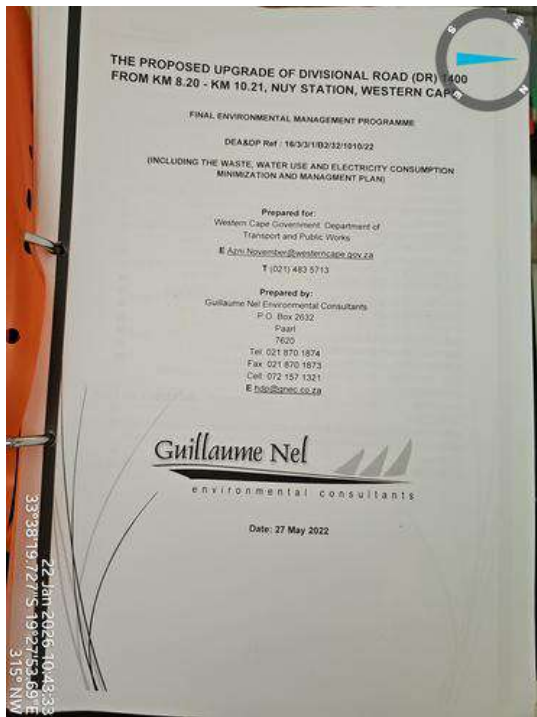


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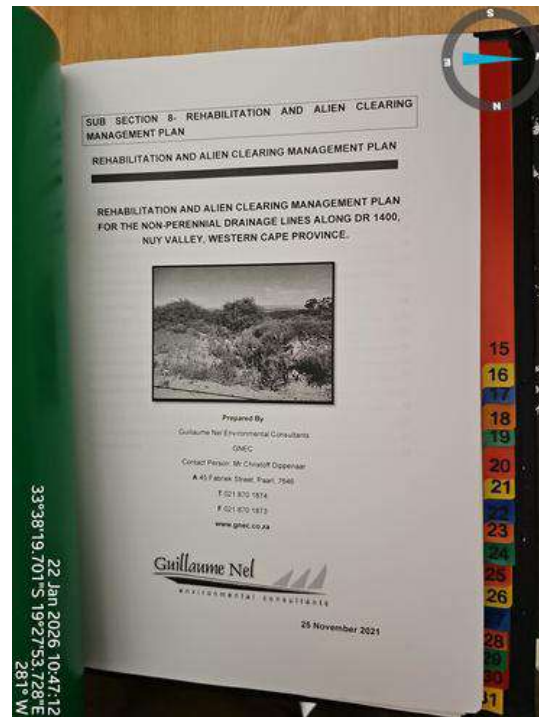


Photo 92

## File summary

- [C1203.01 Site Establishment Plan - Method Statement.pdf](#)
- [ENV MS 011 - Cement and Concrete Batching.pdf](#)
- [A0458 - DR 1400 S&R report Annexure A.pdf](#)
- [A0458- DR 1400 S&R Report June 20205.pdf](#)
- [Tjeka\\_Basic Fire fighting Attendance Register.pdf](#)
- [DR1400 KM8.2 - KM10.21 - Notification of Commencement - 02 May 2024.pdf](#)
- [20761\\_EA Notification Letter\\_20220913.pdf](#)
- [20761\\_Final EMPr\\_DR1400\\_20220527.pdf](#)
- [20761\\_Final\\_RMMP\\_DR1400\\_20220527.pdf](#)