

THE UPGRADING OF PROTEA ROAD, PAARL

Rating	29-Aug-24 Auditor Divan Opperman
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1 Unsatisfactory (<50% compliance) 2 Sub-par(>50% - <70%) 3 Satisfactory (>70% - <90%) 4 Compliant (>90% compliance)	DEA&DP Ref: 16/3/3/1/B3/28/1089/19
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No.	EMP Requirement	Finding	Comment	Compliance Rating
1	Method Statements - Emergencies and communication			
1.1	The contractor must provide Method Statements on the protocols to be followed, and contingencies to be put in place as per the EMP.	Submitted		4
2	No-go / Sensitive areas			
2.1	All construction activities must remain within the boundaries of the development area, as set out prior to the start of construction. The construction footprint must be kept to a minimum within watercourses.	Compliant (>90% compliance)	Currently all works take place within the road reserve of the respective road, except where daylighting is required at the culverts	4
2.2	Topsoil stockpiles must be demarcated with danger tape or temporary fencing and must be treated as no-go areas.	Compliant (>90% compliance)		4
2.3	Any additional No-go areas identified prior or during the construction period.	N/A		N/A
3	Oil and chemicals storage			
3.1	These substances must be confined to specific and secured areas within the contractor's camp, and in a way that does not pose a danger of pollution even during times of high rainfall.	Compliant (>90% compliance)	Chemicals etc. was stored in the site camp within a container	4
3.2	Drip trays (size depends on the size of the machinery) must be placed under all stationary machinery and vehicles.	Compliant (>90% compliance)		4

4	Cement			
4.1	The mixing of concrete shall only be done at specifically selected sites on mortar boards or an impermeable surface to contain run-off into soils, rocky outcrops, streams and natural vegetation.	Compliant (>90% compliance)		4
4.2	Cleaning of cement mixing and handling equipment shall be done using proper cleaning trays.	Compliant (>90% compliance)		4
4.3	All empty containers must be stored in a dedicated area and later removed from the site for appropriate disposal at a licensed commercial facility.	Compliant (>90% compliance)		4
4.4	Cement batching areas must be located in consultation with the RE, EO or ECO to ensure residues are contained and that the proposed location does not fall within sensitive areas such as drainage lines, storm water channels, etc.	Compliant (>90% compliance)		4
5	Bitumen handling area			
5.1	Bitumen handling (slurry mixing, pre-coating etc.) must be done on an impermeable surface	Compliant (>90% compliance)		4
5.2	The bitumen tanks must be placed on impermeable area	Compliant (>90% compliance)		4
5.3	Bitumen handling on site	Compliant (>90% compliance)		4
6	Dangerous and Toxic Materials			
6.1	Materials such as fuel, oil, paint, herbicide and insecticides must be sealed and stored in bermed areas or under lock and key, as appropriate, in well-ventilated areas.	Compliant (>90% compliance)	Chemicals etc. was stored in the site camp within a container	4
6.2	Sufficient care must be taken when handling these materials to prevent pollution. Training on the handling of dangerous and toxic materials must be conducted for all staff prior to the commencement of construction.	Compliant (>90% compliance)	Training is part of the inductions done by the contractor	4
7	Bulk storage of fuels and oils			
7.1	Bulk fuel storage tanks on the site shall be on an impervious surface that is bunded and able to contain at least 110% of the volume of the tanks.	N/A	N/A at this stage	N/A
7.2	Bulk fuel storage tanks shall be located in a portion of the construction camp where they do not pose a high risk in terms of water pollution (i.e. they must be located away from the storm water canal).	N/A	N/A at this stage	N/A
8	Site camp and Eating areas			
8.1	An adequate amount of refuse bins with lids must be provided and cleaned on a regular basis. The bins are to be secure, wind, weather and scavenger proof.	Compliant (>90% compliance)		4
8.2	Litter (even if originating outside the camp) and concrete bags etc. must be picked up daily and put into suitably closed bins.	Satisfactory (>70% - <90%)	Bitumen paper should please be picked up on the day bitumen was sprayed	3
9	Toilets and ablution facilities			

9.1	The contractor will be responsible for providing all sanitary arrangements for his and the sub-contractors team. A minimum of one chemical toilet shall be provided per 15 persons. Toilets provided by the contractor must be easily accessible and a maximum of 150m from the works area to ensure they are utilised.	Compliant (>90% compliance)		4
9.2	Toilets out on site must be secured to the ground and have a sufficient locking mechanism operational at all times.	Compliant (>90% compliance)		4
10	Waste management			
10.1	Any illegal dumping of waste will not be tolerated. Proof of legal dumping must be forwarded to the ECO and RE for record keeping.	Compliant (>90% compliance)		4
10.2	The entire site must be monitored for any bitumen spillages and all bitumen spillages must be disposed of at a registered Hazardous Waste Landfill site (Visser'shok) or recycled. No bitumen spillages/remains may be spoiled on site.	N/A		N/A
10.3	The entire site must be monitored for any concrete spillages, all spillages must be disposed of at a registered General Waste Landfill site. No concrete spillages/remains may be spoiled on site.	Compliant (>90% compliance)		4
11	Dust/Mud			
11.1	Dust production as well as sand on the road surface must be monitored and regularly controlled.	Compliant (>90% compliance)		4
12	Workshop equipment, maintenance and storage			
12.1	Workshop areas shall be monitored for oil and fuel spills and such spills shall be cleaned and remediate to the satisfaction of the EO or RE. Cleaning and remediation must be done with products that are in line with best environmental practice i.e. SunSorb	Compliant (>90% compliance)		4
12.2	All maintenance and washing of vehicles and equipment shall be done off-site as far as possible. During servicing of vehicles or equipment, a suitable drip tray shall be used to prevent spills onto the soil.	Compliant (>90% compliance)		4
13	Fires			
13.1	Absolutely no burning of waste is permitted.	Compliant (>90% compliance)		4
13.2	Fires will only be allowed in facilities especially constructed for this purpose within fenced Contractor's camps. Wood and/or charcoal are the only fuels permitted to be used for fires. The contractor must provide sufficient wood (fuel) for this purpose.	Compliant (>90% compliance)		4
14	Hydrology / Dewatering activities			
14.1	The contractor shall ensure that excessive quantities of sand, silt and silt-laden water do not enter the storm water system or watercourses.	Compliant (>90% compliance)		4
14.2	Please ensure that sediment traps are created during works within watercourses to retain any sediment and/or rubble during the works.	N/A	N/A at this stage	N/A
Total Score Achieved During Audit				103
Total Possible Score				104
Percentage Achieved				99%