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MOLEN CLOSE RIVER REHABILITATION **Environmental Control (ECO) Report – July 2023**

- Daily Environmental Site Inspections (03 July 2023 – 31 July 2023).

Environmental Observation / Action Required:

Please see below table that summarises the daily environmental observations and actions.

The following were observed and monitored:

Site Establishment

- Site demarcation should always be up.
- Access road should be maintained.

Stream Diversion

- Excavation of the embankment must be in dry working conditions.

Silt Fences

- The silt fences must work properly to control the amount of silt flowing downstream.

House Keeping

- The site and river embankment must be free of litter (plastic bags, bottles etc.).
- The road must be occasionally cleaned.
- There must be drip trays on-site for the excavator and roller.
- There must be a toilet on site (1 toilet per 15 people).

Main Environmental Observations & Actions Required (✓: in order ✖: non-compliant ±: work in progress)					
ECO Site Visit	Site Establishment	Stream Diversion	Silt Fences	House Keeping	Additional comments & actions required
03/07/2023	±	✓	✓	✓	Started with the first section. Although housekeeping is in order, litter were noted within the watercourse coming from upstream. Although not from the contractor's team, it is recommended that they clean-up the river as they move through each section. Diversion & silt control working well. Demarcation needs repair and extension.
04/07/2023	±	±	✓	✓	A small volume of water is bypassing at the connection point between two pipes installed to partially divert the stream. Effort was made to stop the water by placing sandbags on top and on the side of the pipes. Working conditions remained a little bit wet creating a small amount of silt. Noted that the security is making fire on the ground. Recommended that they make fire in a drum. Site is wet (truck removing excavated material got stuck). ECO cut off plumes of Pampus grass before excavation.
05/07/2023	±	✓	✓	±	Demarcation still not extended. The road needs to be cleaned. Noted that the security is making fire on a piece of metal plate. Recommended that it would be best to make fire in a drum. Second induction with local workers from Rosemoor suburb.
06/07/2023	✓	✓	±	✓	Demarcation is properly closed as requested. Asked the contractor to buy drip trays for the excavator.
10/07/2023	✓	✓	±	±	Water is bypassing the silt fence at the far end of the river (after the rain over the weekend). The contractor is waiting for strawbales to fix it. A few score energy drinks and plastic bottles were noted on-site. Asked the contractor and staff to throw it in the provided bin.
11/07/2023	✓	✓	±	✓	Site is clean. The contractor is still waiting for material to fix the silt fence.
12/07/2023	✓	✓	±	✓	Started with the second phase. The contractor is still waiting for material to fix the silt fence. At the moment, the water bypassing the silt fence is not creating too many issues. Asked the contractor to make sure the silt fence is fixed before the rain comes. Noted that the litter on the eastern river embankment, at the first section, is cleaned up.
13/07/2023	✓	✓	±	✓	No issues other than the silt fence.
14/07/2023	✓	✓	±	✓	A portion of the western embankment collapsed on top of the level set of gabion baskets (in the second section). The contractor on-site mentioned that they must continue with the second level of gabion baskets before moving on with the third section. Silt fence still not fixed.
17/07/2023	✓	✓	✓	✓	The contractor's team were busy servicing the excavator in the temporary access road. Noted a drip tray below the excavator. The silt fence is now fixed with sandbags.
18/07/2023	✓	±	±	✓	The Contractor notified the ECO of a diesel/oil spill coming from somewhere upstream. The ECO notified Priscilla (Environmental Officer at George Municipality). They are still busy with the second section. James (aquatic specialist) noted that the area they are currently working in is too wet (creating too much silt) and recommend that they divert the stream properly before continuing with excavations. Water is again bypassing the silt fence after the rain.
19/07/2023	✓	±	✓	✓	Nobody was on-site today. Noted that the stockpiled material was removed on-site.
20/07/2023	✓	±	✓	✓	The site is very wet. The Contractor's team were busy packing rocks in the gabion baskets (second section). No excavation of the embankment took place. They've started with the third section but was too wet to continue with excavation. Asked the Contractor to provide evidence of where they took the stockpiled material.
21/07/2023	✓	±	✓	✓	Contractor busy excavating new section of bank – stopped him explaining that there's rain forecast and need to stabilise the bank before weekend. Needs to remove excavated material by end of day. Needs to place rock & sand under half-cut drum for security fire.
24/07/2023	✓	✓	✓	✓	Site looks good. Oil still in water (source unknown).
25/07/2023	✓	±	✓	✓	A lot of water entering the work area – from beneath completed section upstream. ECO noted break into soil / sandbag bench-wall allowing silt water to escape to the work area (silt suitably caught by 1 st silt fence. Contractor immediately rectified the breach & promised to monitor. Contractor (Lourens) mentioned adjacent landowners request for they to leave compacted gravel in place on completion. However, as stipulated in the EA, the streambed, embankment and temporary access must be rehabilitated once construction is complete.
26/07/2023	✓	±	✓	✓	Continuing with the third section. Still a lot of water in the working area.
27/07/2023	✓	✓	±	✓	Almost done with the first level gabions in the third section. Started with the stormwater outlet. Noted that the silt fence is broken and recommend they fix it before the rain over the weekend.
31/07/2023	✓	✓	✓	±	Silt fences were washed away during Saturday rain. Both fences are repaired and in good condition. Road needs to be cleaned.

- Kindly refer to below photographs on the progress being made at Molen Close. Additional photographs are available on request.









