

Non- Technical Project Summary



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GAICO MARINE FACILITY

GAICO CONSTRUCTION AND
GENERAL SERVICES INC.

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Site Description

This site when fully upgraded and developed will be comprised of a Wharf, Dry Dock Laydown & storage yard for construction materials. The facility is located on Nismes Foreshore, West Bank Demerara and has a few houses within a proximity of 120m; but with the majority of the area being open to farming. The site is located approximately three (3) km from the Demerara Harbour Bridge. The property consists of four (4) acres of land with full access to the Demerara River. The site is currently being used as a Wharf facility for the last 8 years to moor company vessels. In addition it is being used for discharging and storing of equipment and construction materials. Dry docking and maintenance work is also being done currently for company vessels.



Figure 1.0: Google Earth Image depicting current wharf site depicting the closest environmental impact receptors. (Coordinates: 6.7469025, -58.2020778)

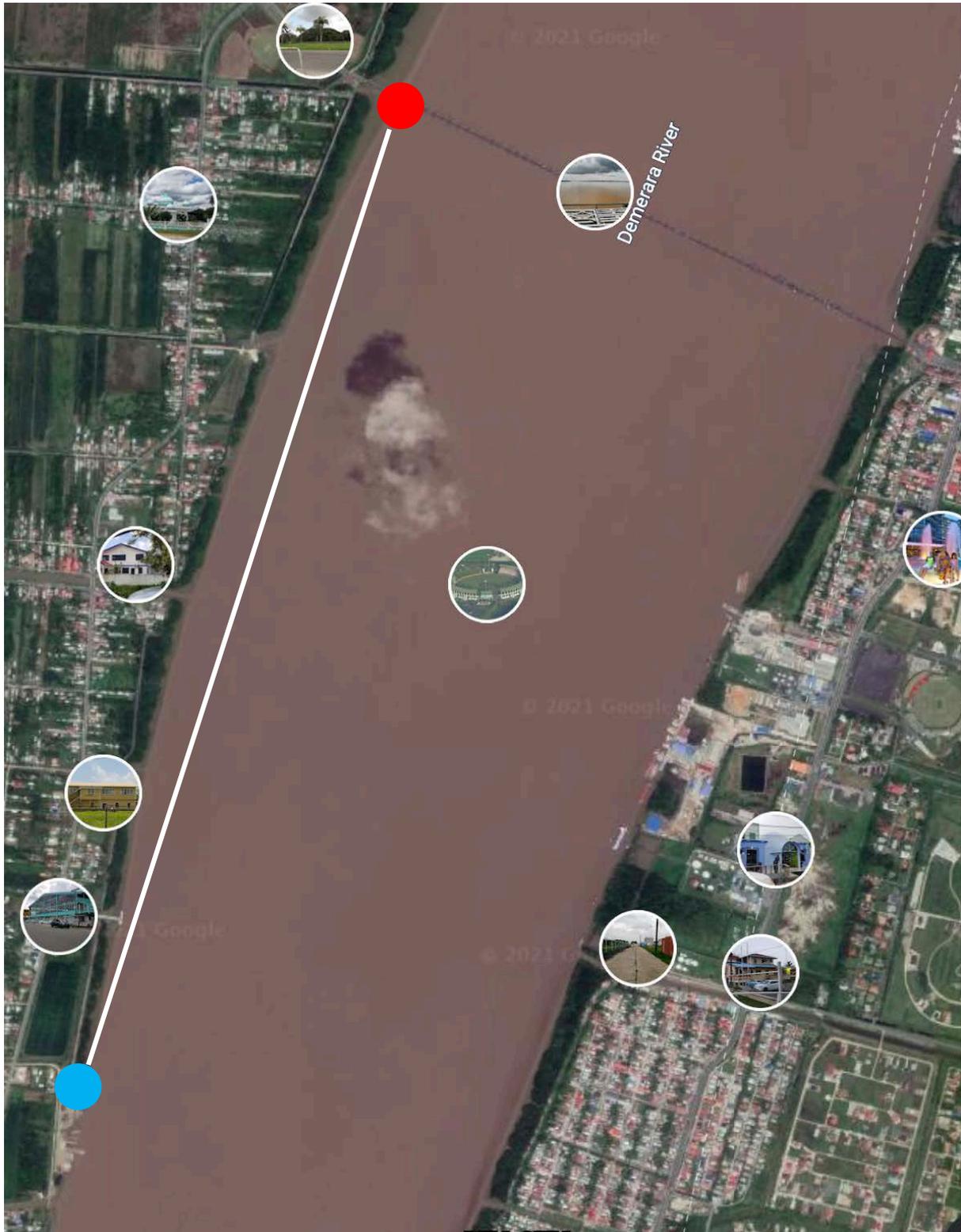


Figure 1.1: Google Earth Image depicting current wharf site (marked by blue circle) in comparison to the Demerara Harbour Bridge (marked by red circle)

Project Design

Project Phases

- Phase 1
 - Dry dock construction – A floating Dry Dock along with an area on the wharf for Docking of smaller vessels will be developed on the facility.
 - Wharf – A solid reinforced concrete wharf will be constructed on concrete piles.
 - Laydown Yard – This area will be upgraded to handle heavier loads using Geotextile Fabric along with White Sand, Loam and first Grade Crusher Run.
- Phase 2:
 - Two Finger pier construction – This finger Piers will be constructed using reinforced concrete sitting on Concrete Piles along with some steel sheets to retain infill area.

Source of Utilities

All utilities services will be coming from the national supplier. Listed below are services and their provider.

- Water – GWI
- Electricity – GPL and personal generator for standby power (100 kVA).
- Wifi connection – GT&T

Waste Management

During construction and operation, the site will generate some non-hazardous solid waste. This waste will be properly sorted, stored and disposed of by utilising an EPA approved contractor (e.g Puran Bros.) to the approved waste facility. Mitigation measures will also be employed to properly isolate, treat and dispose of hazardous waste by EPA approved methods in the provision that any is generated.

Environmental Impact

A review of the operation revealed little to no environmental impact will result from this project as compared to the current baseline conditions. For areas where there is possible impact; appropriate measures will be implemented to make sure the impact is minimised and reversed if possible. All mitigation measures will be captured in an Environmental Assessment and Social Management Plan (EASMP) that will be meticulously implemented.

The table below shows the main areas of environmental concern and the measures to mitigate same.

Activity	Risk and Probability	Mitigation Measure
Use of Hydraulic Equipment on Wharf	Ruptured Hydraulic Hose Low	Spill Kits will be kept on site Oil Spill Booms will be deployed permanently around vessel and wharf
Construction Waste (eg old tins and pallets, etc.)	Improper collection leading to spill in waterway Low	Skip bins will be employed and would be captured in our Waste Disposal Plan
Scrap Metal from construction and repairs to vessels	Possibility of improper disposal leading to a threat to public and employee safety Low	designate area on site for scrap metal with skip bins. Scrap metal will be recycled as much as possible and disposal will be captured in our waste management plan.
Stockpiling and storage of Materials	Dust pollution Low	materials will be covered, soaked as needed and dust screens will be erected.

Project Size

This project is a major investment and a very valuable for the region which when completed will see the creation of jobs for many persons living in the surrounding community. This project will create employment for over 150 persons during construction and 100 full time jobs during operation. In addition, contractors and suppliers will also have an opportunity to develop operations on vacant lands in close proximity to offer related auxillary services. The investment portfolio of this project is in excess of US\$25m.

Project Summary

The project will create significant opportunity for businesses and persons living in region 3. In addition, it will complement all the other proposed development for this region inclusive of the planned Gas to Shore Pipe Line Project. This project will greatly improve the docking facilities for international ships on the West Bank Demerara area since there are currently no proper wharf facility available for mooring and unmooring of international vessels. This facility will create new opportunities for international transport of materials and goods. The Dry Dock facility will also create much needed employment opportunities for laid off workers of the depressed Wales area since the closure of the sugar estate.

Project Timeline

Phase 1: October 2021 – April 2022

Phase 2: June 2022 – February 2023