

# Briefing Paper

Title: Installation of Bollards and Electric Points – Shepherd’s Wharf

Date: 2022-03-23

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This briefing note is to present the proposed solution for providing power on the pontoons in Shepherd’s Wharf for the benefit and use of the fishing fleet mooring along the pontoons. Upon review, the Fisher’s are asked to confirm to SHG via the industry representative liaisons, Phil Whitby and Graeme Searle, that the works proposed meet the usage requirements of the industry.

## Proposal

In response to the request raised by the industry, SHG proposes installing a set of 28 new bollards along the pontoons; each bollard will service berths on either side of it, servicing a total of 56 berths. Each bollard will include lighting and 4 x 230v Ip rated outlets. Attached is a depiction of the proposed bollard and layout along the pontoons.

Supply of the power for these installations will be taken from the fish quay and run in armoured cable protected by marine grade cages, per electrical marine environment regulations. Due to the type of electric bollards, they will require annual servicing under law.

The bollards will be metered for the electrical consumption and charged to the registered berth holder/vessel owner consuming the electricity at the point at the cost/unit consumed, per the current and standard rates for use of such utilities. Power will be charged monthly with payments to be made by direct debit. The charge rate for the power will be a direct “pass-through” cost of the rate charged to the Company by the utility provider. The Company purchases the power in a block of a two-year contract. This contract will be renewed in October 2022, and as such the applicable rates for this project will be set as a function of that new contract. The charging mechanism for the consumption of power will be as follows:

- The charges for the use of power are a “pass-through” with no markup from the Company.
- The rates for the power depend on time of consumption: peak time vs non-peak time.
- There is a fixed monthly charge (from the Utility supplier) for the availability of the power and the meter (no charge from the Company is assessed).
- The monthly charge to each user, will be the amount of units consumed in that month, separately for each of the peak time and non-peak time rates, along with the pro-rated portion of the fixed monthly charge based on the units consumed.

- The amount of power consumption is measured in the bollard and will be monitored and charged on a monthly basis, calculated as outlined above.

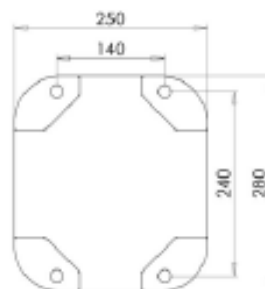
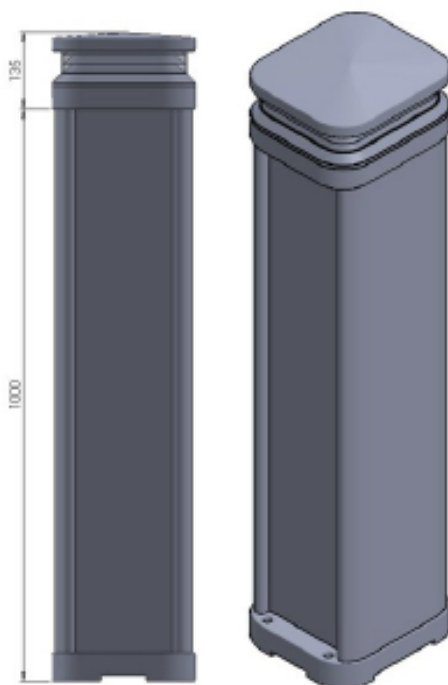
In accordance with follow up discussions with the industry representatives, it is proposed that water will not be supplied via the bollards. SHG is examining what is required to provide for the inclusion of the required infrastructure on the pontoons for the provision of water in the future, should such decision be deemed relevant and appropriate.

The lead time on supply of the bollard is estimated at between 8-10 weeks once the purchase order has been placed, upon confirmation and agreement.

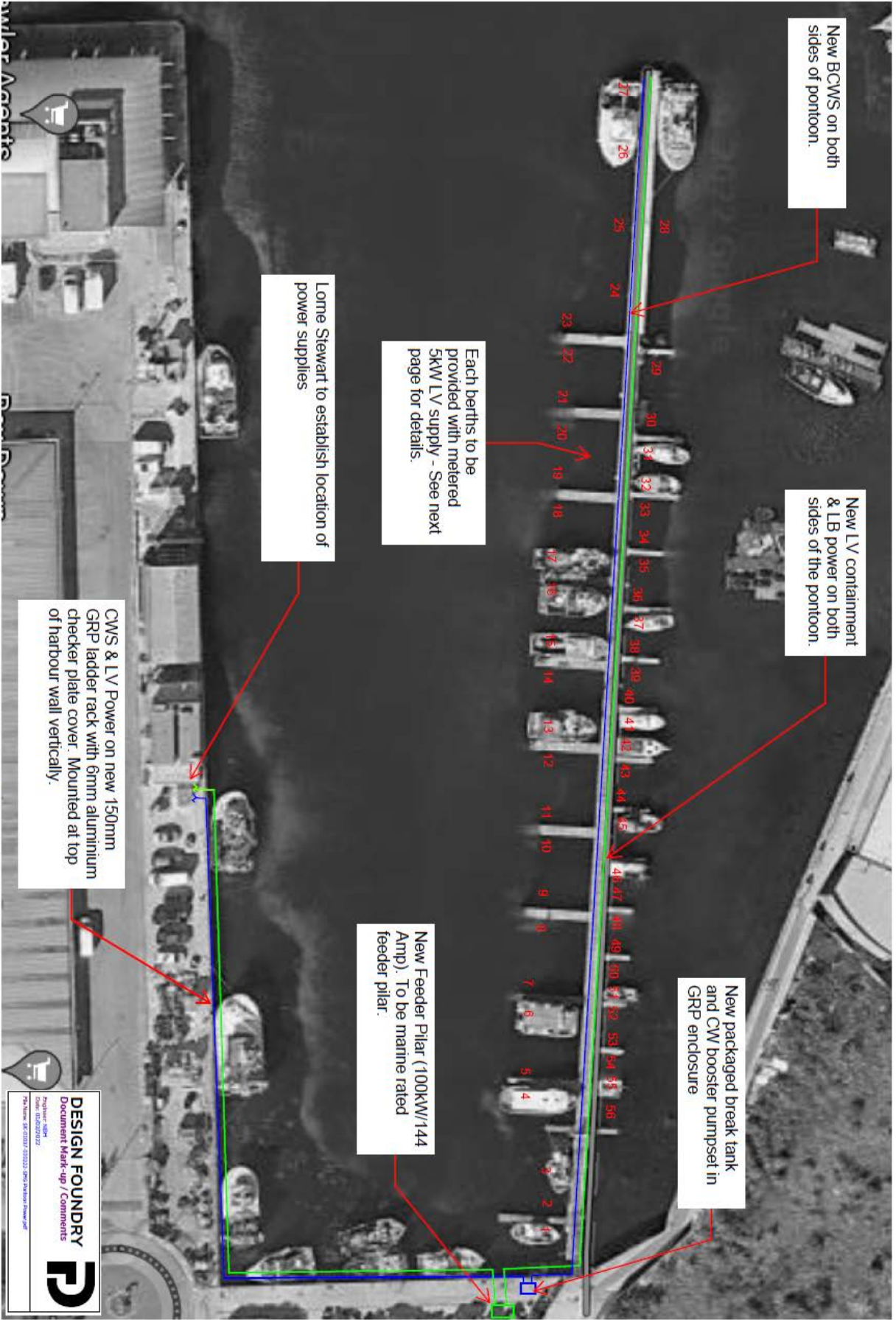
Installation time is estimated at 4 weeks of labour.

These works represent a material investment of capital, which will be recovered through the capital costs of the redevelopment of the Fish Quay.

- The Platinum Pedestal is constructed from aluminium extruded sides and composite front and rear panels.
- Like the Sterling Pedestal, the aluminium extrusions are anodised to 25microns (industry standard is 15microns) and carry a lifetime anti-corrosion warranty.
- The front and rear panels are constructed from composite material which made up of two aluminium sheets bonded to a polyethylene core. This material is UV stable and can withstand the harshest marine environments. The composite panels carry a 5 year anti-corrosion warranty.
- Available heights 300mm, 500mm, 750mm and 1000mm.



- The Platinum Range can accommodate up to a 250amp Three Phase Sockets.
- Available with a range of colours in composite material for the front and back panel and the Platinum Pedestal is ideal for holding all metering systems due to the width of the pedestal.
- The Platinum Pedestal comes with an illuminated Head Unit as standard. The lighting head is constructed with bespoke downward facing louvers. If you decide to add lighting to your Pedestal, it will come with LED Bulb Lighting as standard complete with photocell control.
- Water Taps can also be added to these Service Pedestals.
- Metering Systems also available



New BCWS on both sides of pontoon.

New LV containment & LB power on both sides of the pontoon.

New packaged break tank and CW booster pumpset in GRP enclosure

Each berths to be provided with metered 5KW LV supply - See next page for details.

Lorne Stewart to establish location of power supplies

New Feeder Pilar (100KW/144 Amp). To be marine rated feeder pilar.

CWS & LV Power on new 150mm GRP ladder rack with 6mm aluminium checker plate cover. Mounted at top of harbour wall vertically.

**DESIGN FOUNDRY**  
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