VICTORIA HARBOUR

HARBOUR EXTENSION PROJECT

Project Name	Victoria Harbour
Main Contractor	Lend Lease Engineering(Developer)
Engineer	GHD
Location	Melbourne, Australia
Product	Pipe Piles and Sheet Piles
Total Tonnage	1,465 MT
Delivery Date	2015

INTRODUCTION

Victoria Harbour, located on the Western edge of Melbourne's CBD within the Docklands Area, Victoria Harbour is a unique peninsula landform extending west from Docklands Park to the base of the Bolte Bridge. The 30 hectare site is bounded by the Yarra River and the Victoria Harbour Dock. The site has two distinct 'base' conditions – wharf structure on the edges, and terra firma (solid ground) in the centre.

A superb extension to Melbourne's CBD, Victoria Harbour has been labelled 'the jewel in the crown' of Melbourne's Docklands. Vibrant promenades with inviting restaurants and cafes, and walking and cycling paths entwine with some of Melbourne's most indulgent residential offerings.

Encompassing Melbourne's newest collection of beautifully appointed apartments, premium penthouses, marina and wharf side homes, upon completion proposed for 2021, Victoria Harbour will undoubtedly become Melbourne's most exclusive new waterfront address.

ESC's involvement with the project began with a series of meetings with GHD and Lend Lease Engineering (Developer) during which some alternative design options were proposed by ESC which eventually resulted in the design being changed from Hot rolled Sheets (Arcelor AZ19) to a totally Cold Rolled Sheet and Clutch design, thus saving the client in valuable time and money, whilst still achieving all the design criteria set by the designers.

The project involves construction a new 240 metre long Combi-Wall on the river, which forms the supporting structure for the new deck and platform, atop which will be built the Podium and 2 Tower Buildings forming part of Zone 1 and Zone 2 of the total site.

The materials supplied by ESC comprised of Spiral Submerged Arc Welded (SSAW) pipes and Cold Rolled Clutches and Sheet Piles, all with a High Build Epoxy Marine Coating, which was applied to 10metres of the Tubes and 7 metres of the Sheets.

ESC staff along with the client's representatives conducted in-plant inspections and surveillance activities at all facilities used in the manufacture to ensure the agreed ITP and Quality Plans were strictly adhered to.

The levels of cooperation and the focus on client objectives and outcomes by ESC on this project, as well as our ability to provide high quality products and technical support were of critical importance to Lend Lease.

ESC SCOPE OF SUPPLY

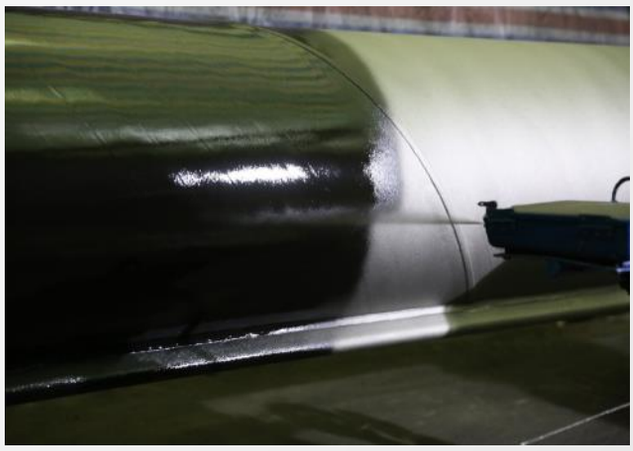
TUBULAR PILES & SHEET PILES

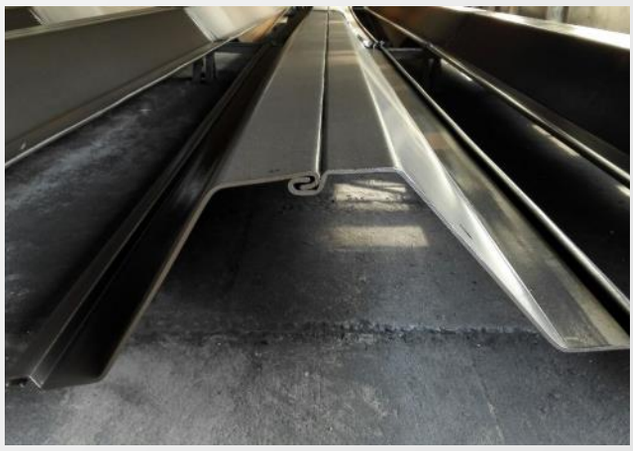
ESC's scope of products

- Gr Q345B SSAW Pipe Piles, including clutches, 501.41MT
- Gr. Q345B SSAW Pipe Piles, 473.38
- Gr. Q345B SSAW Pile Shoes, 4.96MT
- ESC-S-CRZ20-700 Gr. Q345B CR sheet piles, 484.3MT


ESC GR Q345B SSAW PIPE PILES

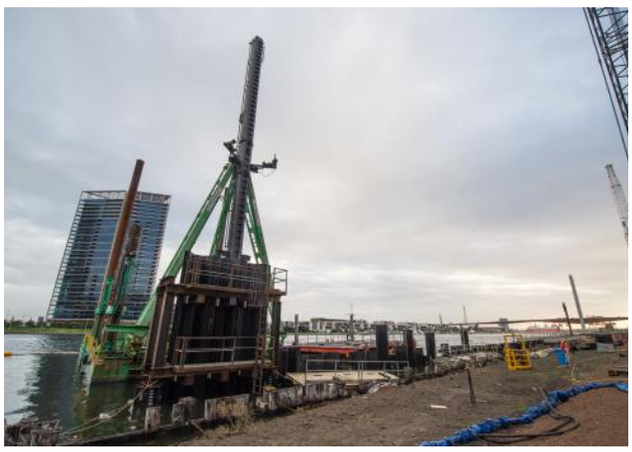
PAINTING OF PIPES

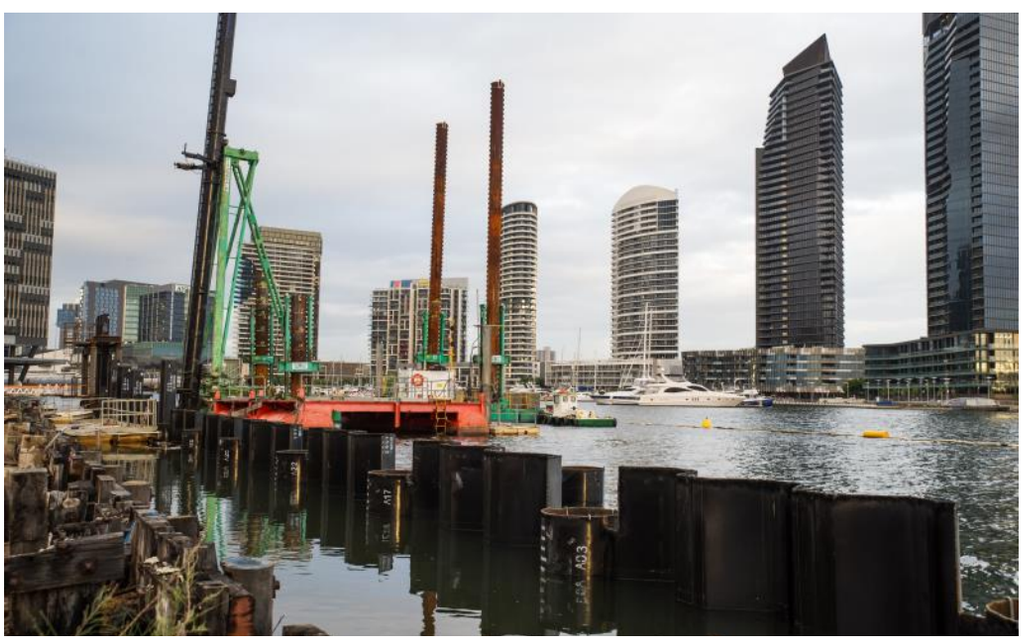


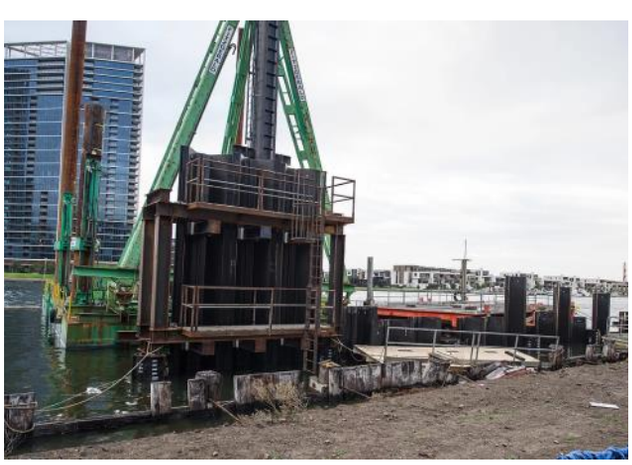


Email: info@escsteel.com
Website: www.escsteel.com

ON-SITE INSTALLATION







PROJECT COMPLETED

Email: info@escsteel.com
Website: www.escsteel.com