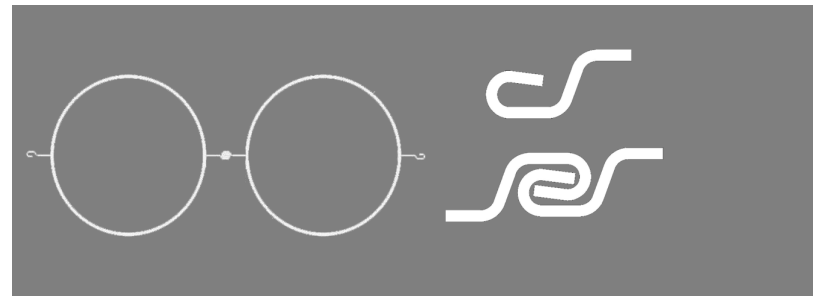




BHP TUG HARBOUR , AUSTRALIA

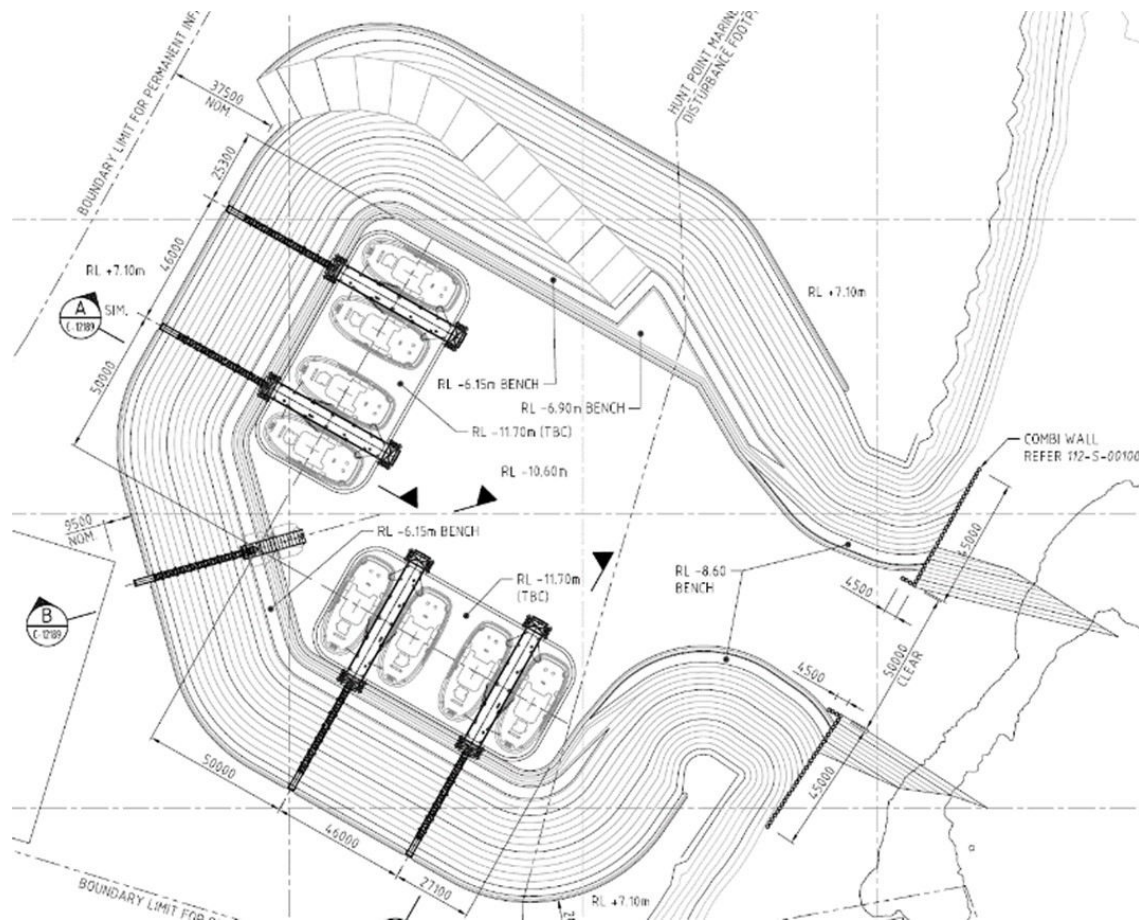
TUG HARBOUR PROJECT

Project Name	BHP Tug Harbour
Client	Lend Lease Engineering Pty. Ltd.
Project Location	Port Headland, Australia
Product	Tubular Pile with Clutches and Mooring Pipes
Total Tonnage	2,242 MT
Year	2016



The project covered two aspects:

1. Mooring spuds with 3 LPE Coating that were used for the Tug Pontoons & Jetties.
2. Clutched Tubular Piles for the breakwater at the entrance to the harbor.



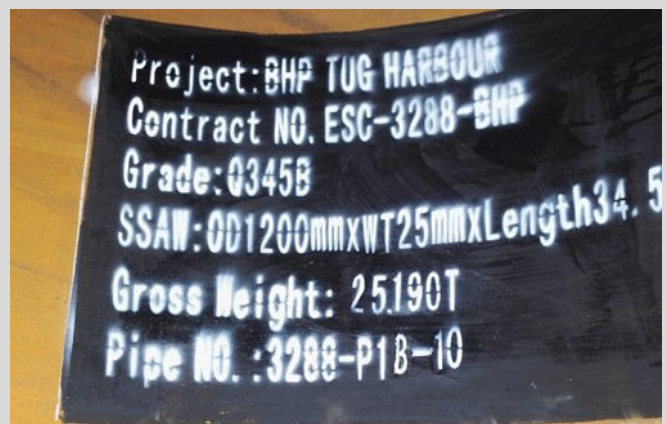
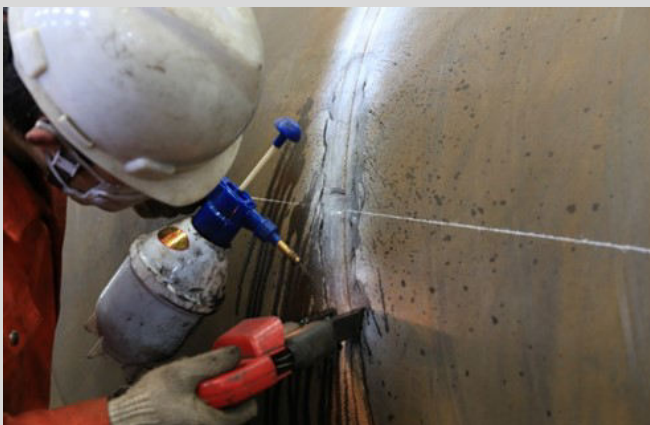
PRODUCT & PROCESS AUDIT



Clients mill visit.

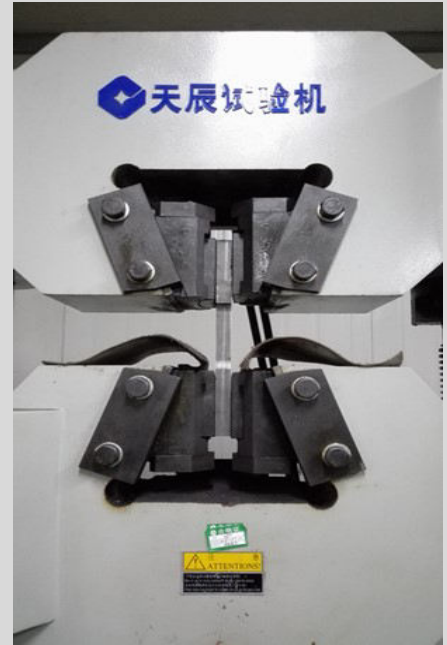


WELDED TUBULAR PILES

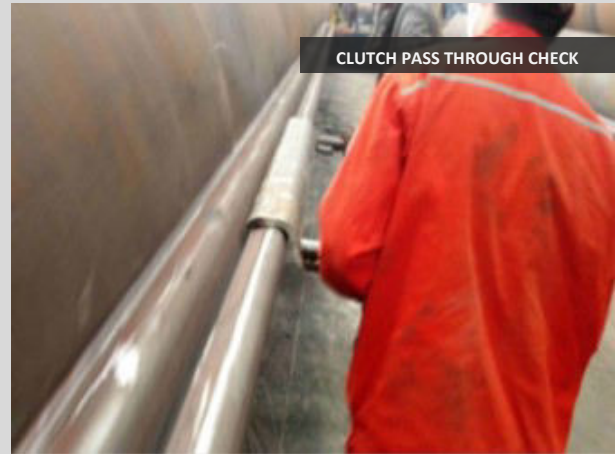


RAW MATERIAL RETEST

INSPECTION

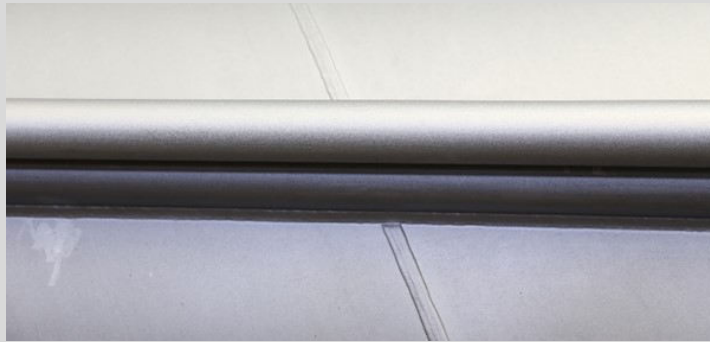


PIPE INSPECTION PRIOR TO COATING

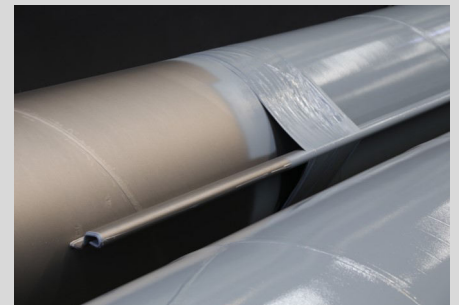
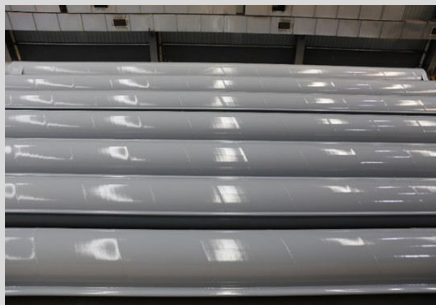


SURFACE PREPARATION

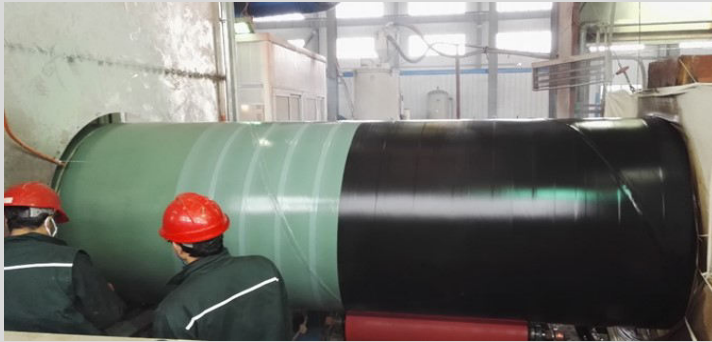
BLASTING



PAINTING OF PIPES



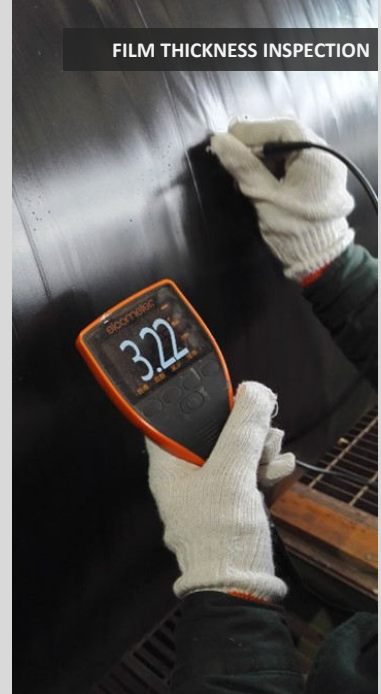
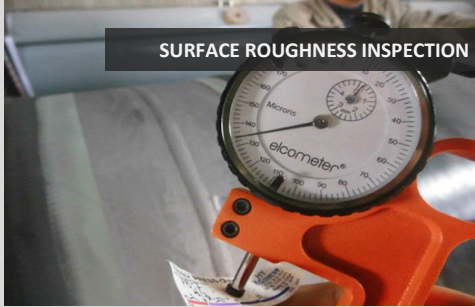
MDPE COATING



HEAT SHRINK SLEEVE INSTALLATION



PAINTING INSPECTION



PACKING & STACKING



CARGO STACKING



TOOLBOX MEETING BEFORE LOADING

CARGO LOADING



CARGO LOADING PROTECTION



CARGO LOADING PROTECTION



PREVENT CLUTCH CONTACT



WOODEN WEDGE WITH PAD



LASHING



LASHING

SHIP LOADING



ON-SITE INSTALLATION



PROJECT COMPLETED

