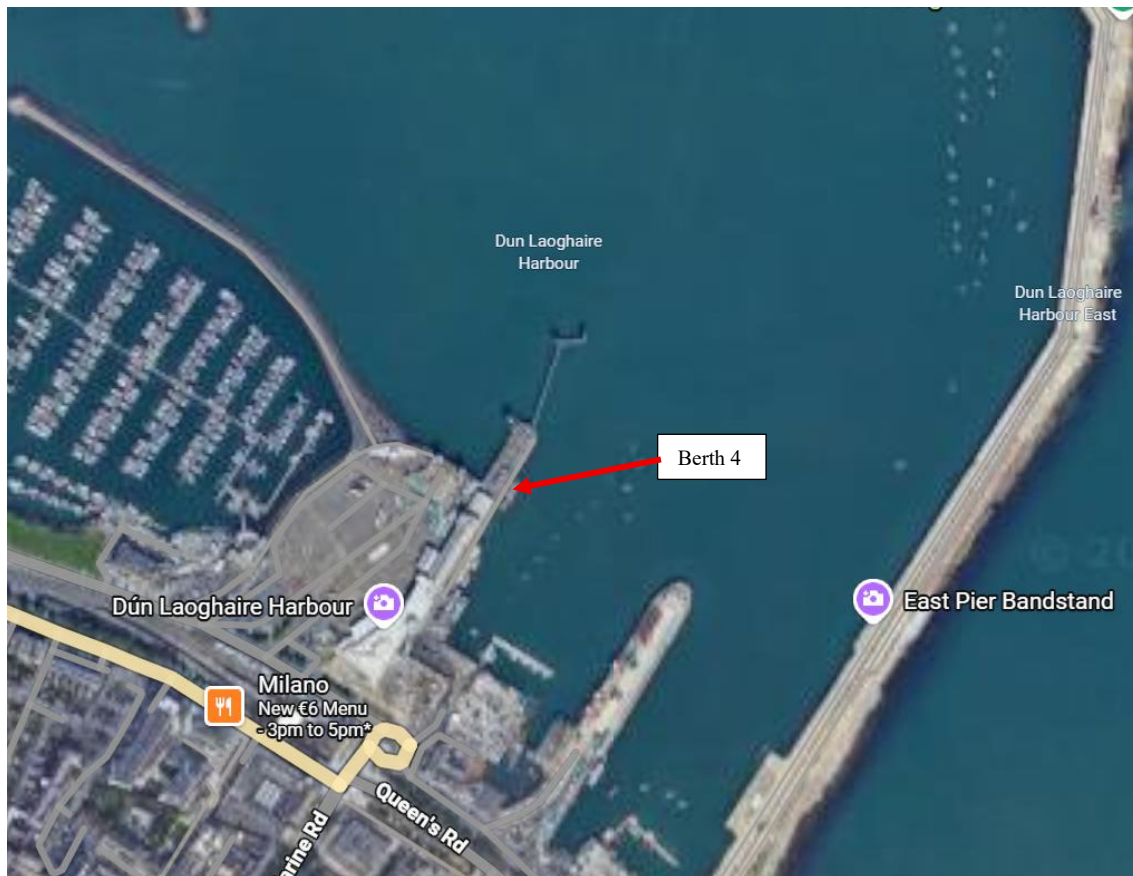


Berth 4 Upgrades

Appendices

Dún Laoghaire Harbour



Dún Laoghaire Harbour – Berth 4

June 2026

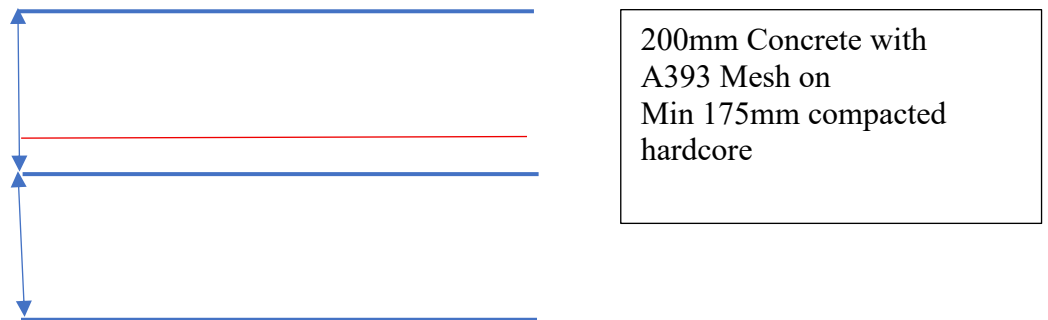




Appendix A – General Layout of Berth 4



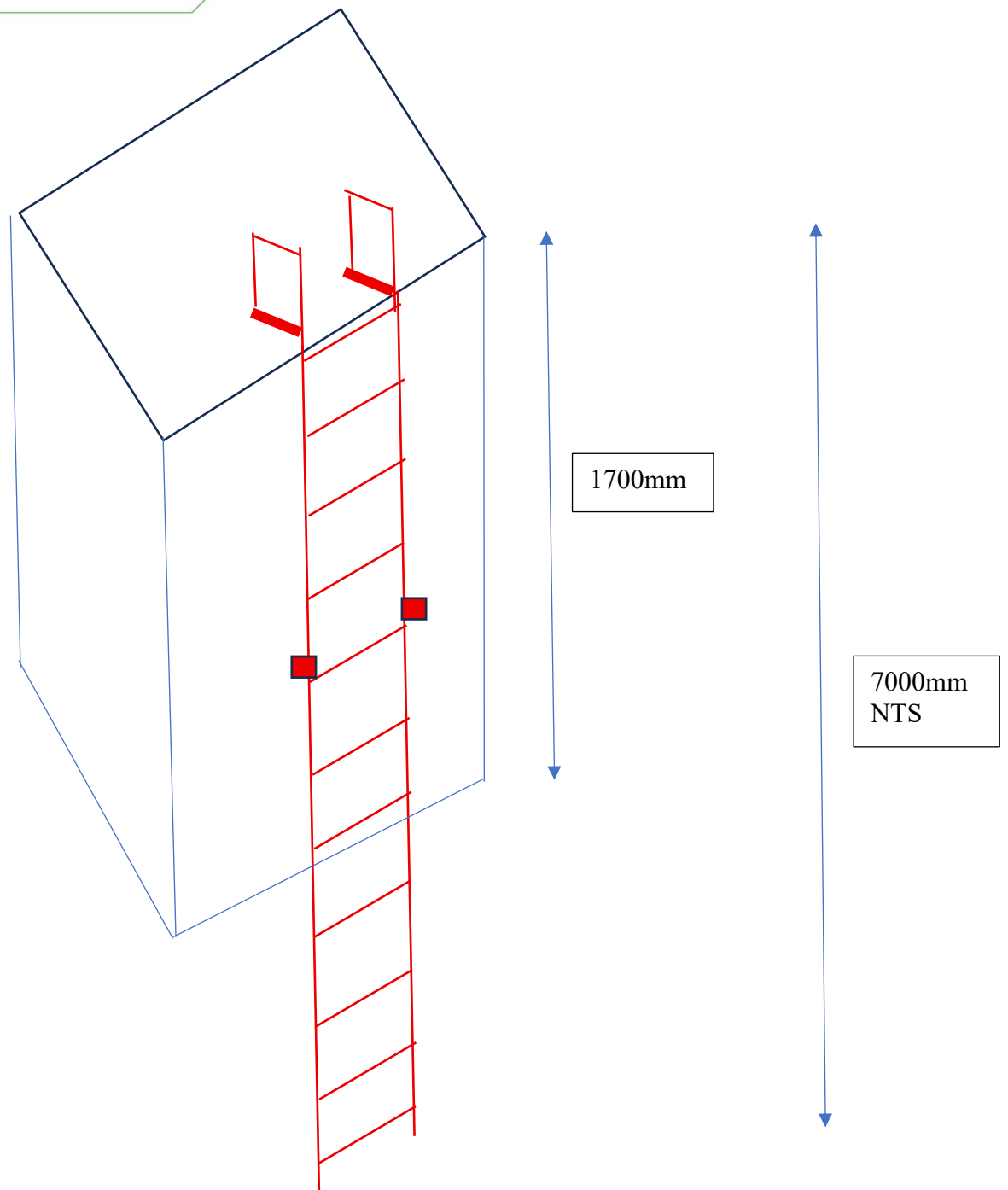
Appendix B – Typical Concrete Reinforcement Detail



Appendix C – Ladder Detail

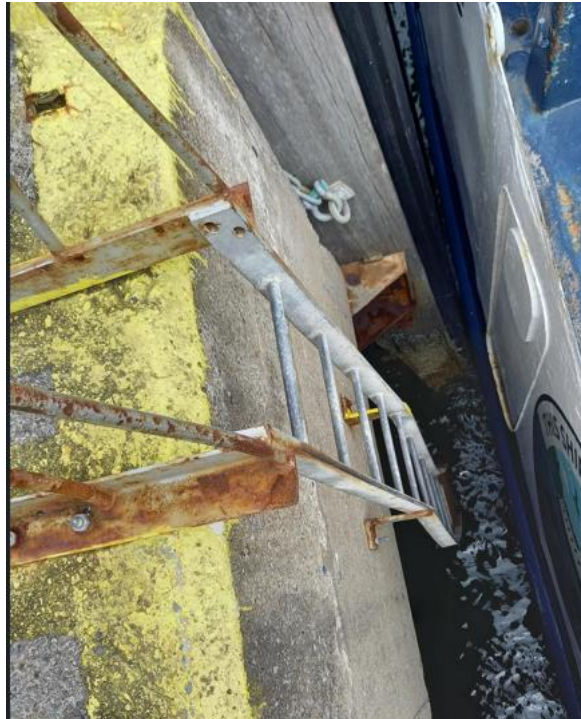
- Ladder Specification: (Refer to Sketch 01 below)
 - The ladder is to be 7m in length and bolted to the concrete pier wall.
 - The ladder is to be hot dipped galvanised mild steel, powder coated as per EN 13438, painted yellow
 - Hot dipped galvanised coatings for steelwork shall comply with Clause 1909 of the TII Specification for Roadworks. A minimum coating of 150microns is to be applied in accordance with ISO14713 and IS EN ISO 1461. In addition, powder coated as per EN13438.
 - Welds to be a minimum 8mm fillet welds.
 - The ladder is to be measured on site to fit.
 - Ladder rungs – 25mm Mild Steel solid round bars @ 250mm crs.
 - All fixings to be M16 Grade 8.8 Stainless Steel, grouted with 2-part Epoxy grout, embedment depth 300mm min. Stainless steel washers with insulating washer and grommet to prevent bimetallic corrosion.
 - Dimensions can be taken from the existing ladders on site.





SK 01 - Typical Ladder Detail





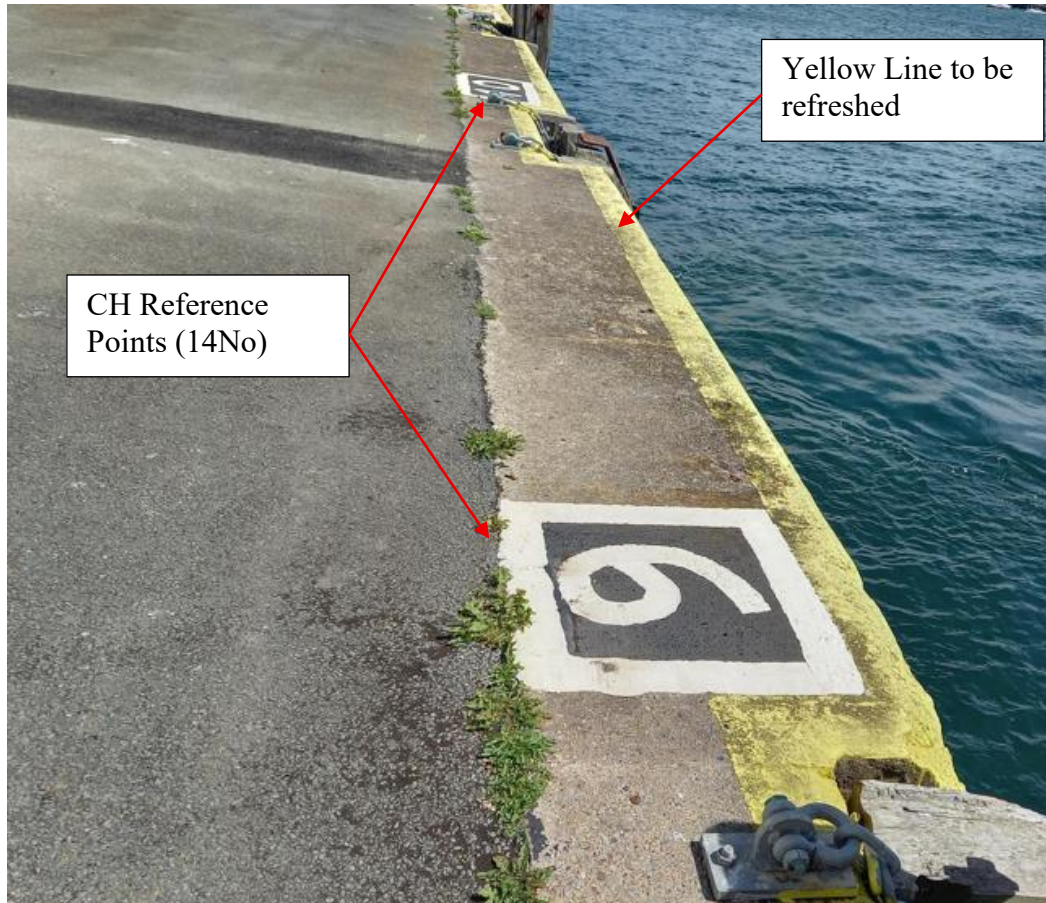
For Reference: Existing Ladder Detail

Appendix D – Existing Concrete Dish



Concrete Dish
Water Channel

Appendix E – Line Painting and Numbering to be Refreshed



Appendix F – Site Set Up Compound

