



## Shed E – PD Ports Hartlepool Dock

As part of the second stage tender process, Northern Construction Solutions (Civils) were initially invited to price for the works on a competitive tender basis. By working closely with Carillion and their Client JDR Cables, NCS Civils became the preferred specialist Civils Contractor. This involved providing input into cost saving solutions, pricing alternatives and working with the team to reach an acceptable price that met the budget constraints of the Client.

NCS Civils scope of works consisted of constructing 2no. 27m diameter by 1.2m high reinforced concrete carousels, 7no. complex reinforced concrete pits, all of different sizes and shapes, 3no reinforced concrete machine base plinths, drainage works, substation and plant room foundations and plinths for prefabricated office buildings.

The reinforced concrete pits were up to 25m in length and up to 4.5m depth which involved considerable temporary works using a combination of frame and sheet systems and cantilevered sheet piled solutions. All works were inside an existing 200m x 50m steel clad shed which required the need to provide air extraction facilities and all deep pits were treated as confined space working areas.

Due to late significant design changes to all the pits and a fixed handover date for delivery of machinery, an accelerated programme was proposed and agreed. These tight programming constraints required NCS Civils to work on multiple work-faces and to liaise and work closely with Carillion, the Piling Contractor and the M&E Contractor to provide a phased handover of sections within an overall construction programme of 21 weeks.

Client	Carillion
Value	£1,400,000
Duration	21Weeks

